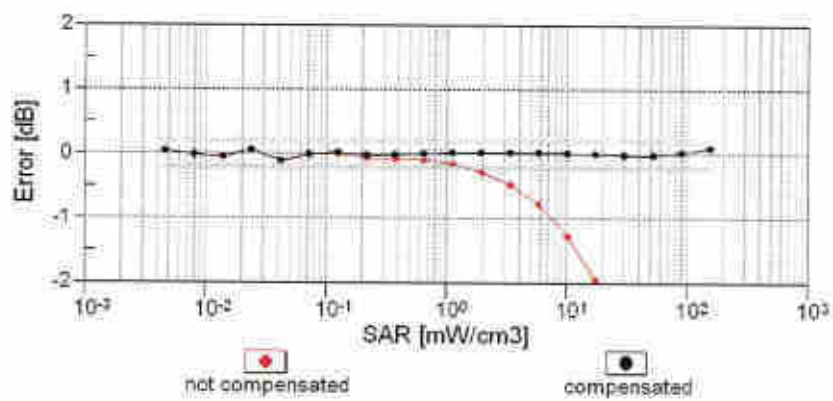
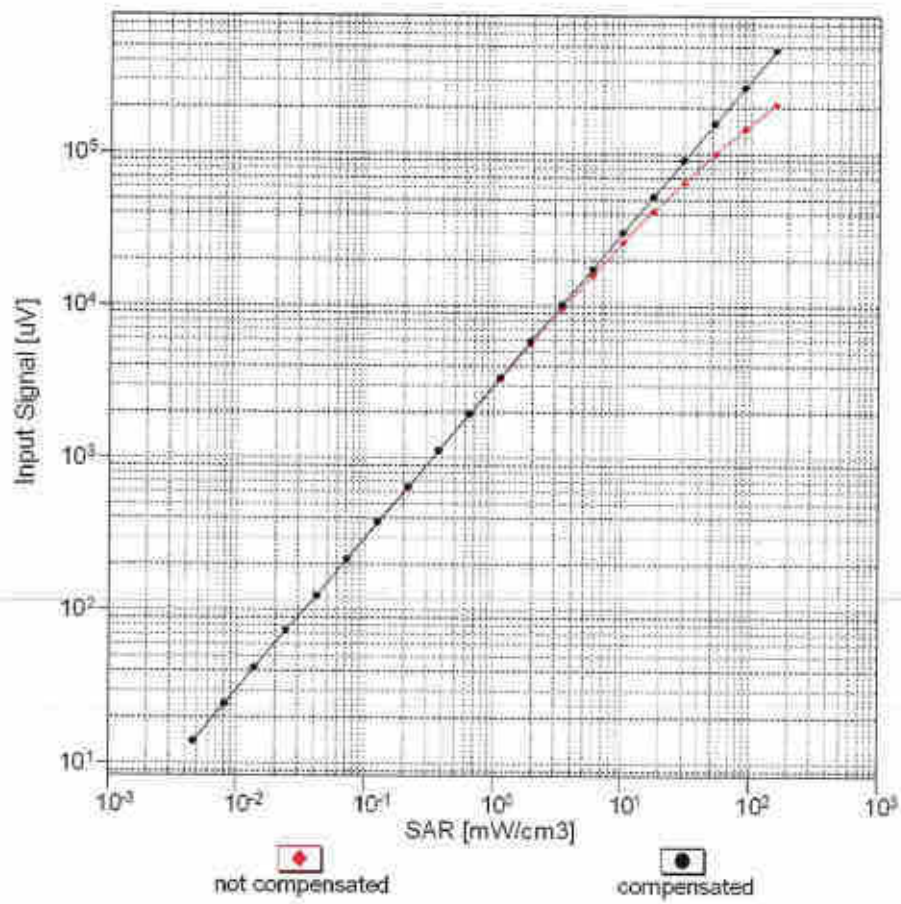
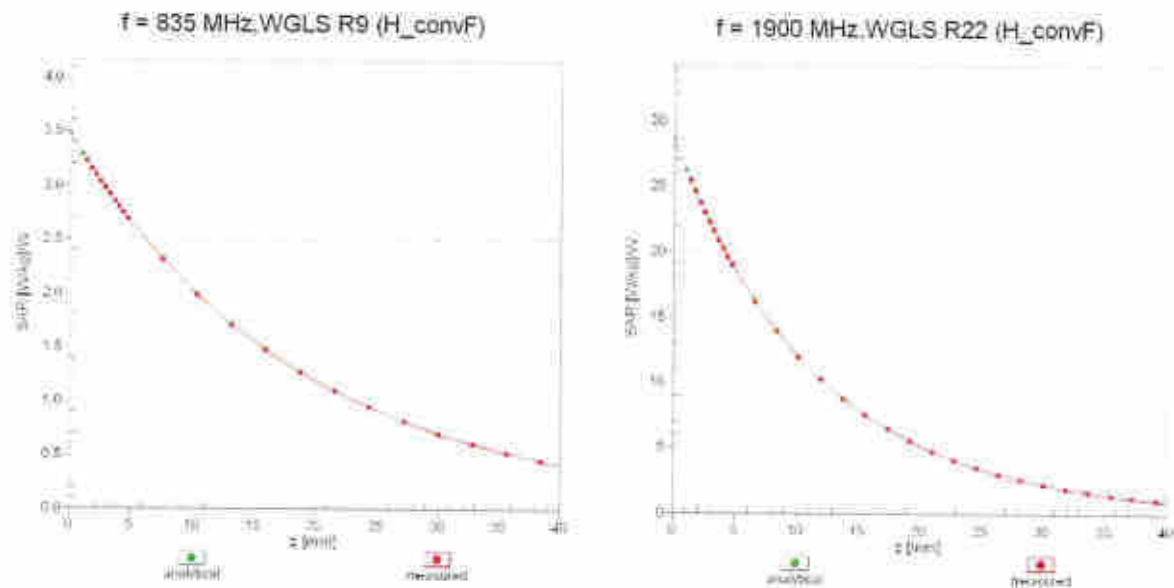


Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$)



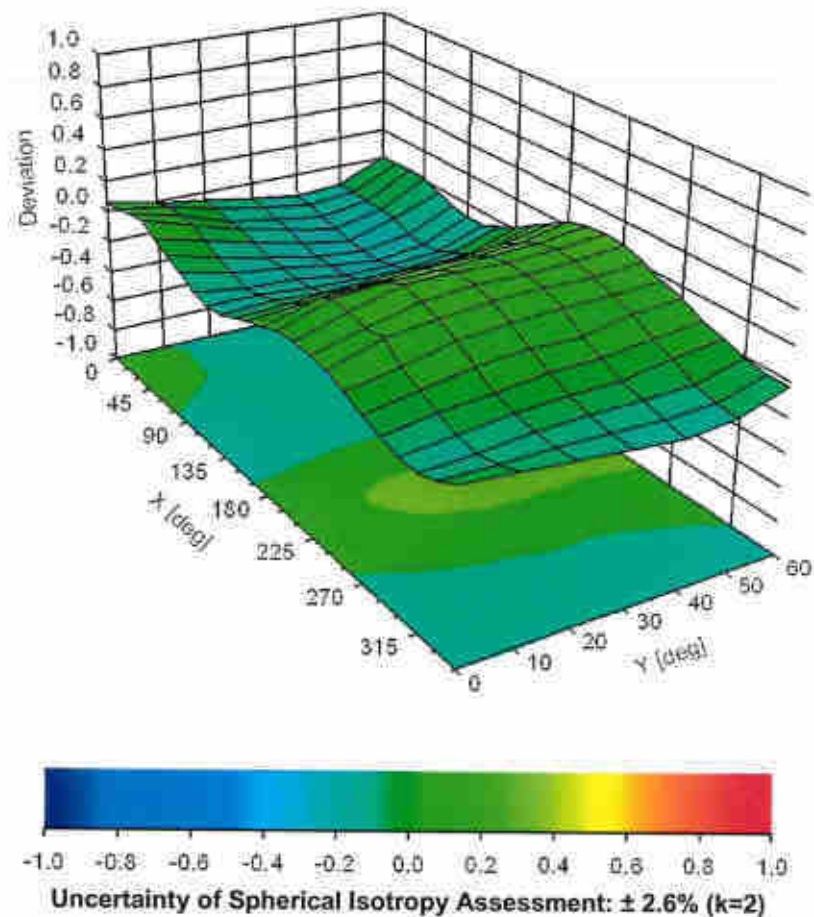
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), $f = 900 \text{ MHz}$



Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %

10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %

10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %

10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	±9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	±9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	±9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	±9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	±9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	±9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	±9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	±9.6 %
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	±9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	±9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	±9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	±9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	±9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	±9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	±9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	±9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	±9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	±9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	±9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	±9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	±9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	±9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	±9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	±9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	±9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	±9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	±9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	±9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	±9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	±9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	±9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	±9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	±9.6 %

10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %

10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %

10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %

10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	±9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	±9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	±9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	±9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	±9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	±9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	±9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	±9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	±9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	±9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	±9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	±9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	±9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	±9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	±9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	±9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	±9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	±9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	±9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	±9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	±9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	±9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	±9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	±9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	±9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	±9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	±9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10775	AAB	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6 %
10777	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10779	AAB	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6 %

10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	6.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %

10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %

10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAA	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %

[‡] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

WWAN Default power level /Pmax power level for Ant 1

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.88	32.87	32.82	33.50	23.88	23.87	23.82	24.50
GPRS 1 Tx slot		32.87	32.86	32.80	33.50	23.87	23.86	23.80	24.50
GPRS 2 Tx slots		30.05	29.90	29.65	30.50	24.06	23.80	23.65	24.50
GPRS 3 Tx slots		28.59	28.64	28.30	29.50	24.33	24.38	24.04	25.24
GPRS 4 Tx slots		26.86	26.56	26.43	27.50	23.86	23.66	23.43	24.50
EDGE 1 Tx slot		25.12	25.10	25.13	26.00	16.12	16.10	16.13	17.00
EDGE 2 Tx slots		23.50	23.47	23.46	24.50	17.50	17.47	17.46	18.50
EDGE 3 Tx slots		22.40	22.36	22.34	23.00	18.14	18.10	18.08	18.74
EDGE 4 Tx slots		20.83	20.71	20.48	21.50	17.83	17.71	17.48	18.50

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.91	29.64	29.49	30.50	20.91	20.64	20.49	21.50
GPRS 1 Tx slot		29.90	29.62	29.47	30.50	20.90	20.62	20.47	21.50
GPRS 2 Tx slots		27.19	26.92	26.70	27.50	21.19	20.92	20.70	21.50
GPRS 3 Tx slots		25.83	25.86	25.56	26.50	21.57	21.60	21.30	22.24
GPRS 4 Tx slots		23.78	23.59	23.34	24.50	20.78	20.59	20.34	21.50
EDGE 1 Tx slot		24.97	24.99	25.17	26.00	15.97	15.99	16.17	17.00
EDGE 2 Tx slots		23.22	23.27	23.48	24.50	17.22	17.27	17.48	18.50
EDGE 3 Tx slots		22.07	22.08	22.24	23.00	17.81	17.82	17.98	18.74
EDGE 4 Tx slots		20.67	20.40	20.19	21.00	17.67	17.40	17.19	18.00

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4367	4407	4458	
Frequency (MHz)		1552.4	1680	1807.6		3524	3524	3566	
3GPP Rel 99	AMR 12.2Kbps	24.34	24.46	24.52	25.00	23.70	23.73	23.64	25.00
3GPP Rel 99	RMC 12.2Kbps	24.35	24.58	24.54	25.00	23.71	23.75	23.65	25.00
3GPP Rel 6	HSDPA Subtest-1	23.23	23.39	23.47	24.00	22.74	22.62	22.68	24.00
3GPP Rel 6	HSDPA Subtest-2	23.19	23.12	23.47	24.00	22.46	22.38	22.35	24.00
3GPP Rel 6	HSDPA Subtest-3	22.39	22.57	22.65	23.50	21.91	21.80	21.83	23.50
3GPP Rel 6	HSDPA Subtest-4	22.39	22.56	22.63	23.50	21.91	21.79	21.79	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.12	23.29	23.35	24.00	22.63	22.54	22.58	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.05	22.99	23.39	24.00	22.36	22.27	22.25	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.29	22.47	22.60	23.50	21.83	21.69	21.73	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.31	22.46	22.56	23.50	21.80	21.67	21.73	23.50
3GPP Rel 6	HSUPA Subtest-1	23.26	23.42	23.56	24.00	22.77	22.70	22.65	24.00
3GPP Rel 6	HSUPA Subtest-2	21.23	21.42	21.56	22.00	20.77	20.69	20.64	22.00
3GPP Rel 6	HSUPA Subtest-3	22.28	22.44	22.59	23.00	21.77	21.67	21.65	23.00
3GPP Rel 6	HSUPA Subtest-4	21.27	21.39	21.61	22.00	20.74	20.69	20.66	22.00
3GPP Rel 6	HSUPA Subtest-5	23.20	23.40	23.50	24.00	22.80	22.70	22.70	24.00

Band 2 (1900MHz Band) Part 24E									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18900	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.12	23.51	23.06	24	0	
20	QPSK	1	49	23.11	23.35	23.06			
20	QPSK	1	99	23.09	23.32	23.06			
20	QPSK	50	0	22.19	22.35	22.08	23	1	
20	QPSK	50	24	22.16	22.26	22.04			
20	QPSK	50	50	22.14	22.33	22.12			
20	QPSK	100	0	22.13	22.23	22.03	23	1	
20	16QAM	1	0	22.31	22.34	22.28			
20	16QAM	1	49	22.26	22.22	22.18			
20	16QAM	1	99	22.24	22.24	22.39	22	2	
20	16QAM	50	0	21.35	21.25	21.26			
20	16QAM	50	24	21.41	21.29	21.28			
20	16QAM	50	50	21.31	21.28	21.33	22	2	
20	16QAM	100	0	21.34	21.22	21.29			
20	64QAM	1	0	21.44	21.41	21.31			
20	64QAM	1	49	21.41	21.25	21.10	22	2	
20	64QAM	1	99	21.52	21.25	21.30			
20	64QAM	50	0	20.51	20.47	20.45			
20	64QAM	50	24	20.60	20.42	20.46	21	3	
20	64QAM	50	50	20.53	20.37	20.60			
20	64QAM	100	0	20.40	20.31	20.35			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.95	22.94	22.80	24	0	
15	QPSK	1	37	22.89	22.84	22.86			
15	QPSK	1	74	23.03	22.86	22.84			
15	QPSK	36	0	22.11	22.05	22.10	23	1	
15	QPSK	36	20	22.18	21.96	22.11			
15	QPSK	36	39	22.19	22.06	22.10			
15	QPSK	75	0	22.17	22.01	22.06	23	1	
15	16QAM	1	0	22.36	22.34	22.27			
15	16QAM	1	37	22.32	22.31	22.23			
15	16QAM	1	74	22.31	22.24	22.25	22	2	
15	16QAM	36	0	21.30	21.25	21.29			
15	16QAM	36	20	21.36	21.22	21.27			
15	16QAM	36	39	21.37	21.30	21.33	22	2	
15	16QAM	75	0	21.38	21.25	21.26			
15	64QAM	1	0	21.41	21.33	21.31			
15	64QAM	1	37	21.22	21.23	21.14	22	2	
15	64QAM	1	74	21.27	21.40	21.28			
15	64QAM	36	0	20.45	20.44	20.32			
15	64QAM	36	20	20.23	20.23	20.22	21	3	
15	64QAM	36	39	20.13	20.29	20.21			
15	64QAM	75	0	20.23	20.15	20.10			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.17	22.98	23.09	24	0	
10	QPSK	1	25	23.13	22.95	22.98			
10	QPSK	1	49	23.06	23.00	23.06			
10	QPSK	25	0	22.34	22.15	22.14	23	1	
10	QPSK	25	12	22.30	22.18	22.15			
10	QPSK	25	25	22.21	22.15	22.21			
10	QPSK	50	0	22.32	22.39	22.18	23	1	
10	16QAM	1	0	22.52	22.38	22.39			
10	16QAM	1	25	22.56	22.36	22.32			
10	16QAM	1	49	22.40	22.52	22.44	22	2	
10	16QAM	25	0	21.57	21.42	21.44			
10	16QAM	25	12	21.47	21.39	21.43			
10	16QAM	25	25	21.54	21.44	21.52	22	2	
10	16QAM	50	0	21.48	21.39	21.40			
10	64QAM	1	0	21.61	21.63	21.40			
10	64QAM	1	25	21.51	21.43	21.40	22	2	
10	64QAM	1	49	21.52	21.53	21.19			
10	64QAM	25	0	20.84	20.59	20.61			
10	64QAM	25	12	20.61	20.58	20.83	21	3	
10	64QAM	25	25	20.83	20.50	20.51			
10	64QAM	50	0	20.60	20.50	20.50			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.14	23.00	23.08	24	0	
5	QPSK	1	12	23.16	23.05	23.13			
5	QPSK	1	24	23.00	22.96	23.01			
5	QPSK	12	0	22.20	22.15	22.20	23	1	
5	QPSK	12	7	22.28	22.16	22.26			
5	QPSK	12	13	22.16	22.15	22.23			
5	QPSK	25	0	22.26	22.15	22.22	23	1	
5	16QAM	1	0	22.39	22.41	22.59			
5	16QAM	1	12	22.54	22.48	22.61			
5	16QAM	1	24	22.42	22.39	22.52	22	2	
5	16QAM	12	0	21.53	21.46	21.55			
5	16QAM	12	7	21.50	21.46	21.55			
5	16QAM	12	13	21.42	21.38	21.43	22	2	
5	16QAM	25	0	21.47	21.37	21.47			
5	64QAM	1	0	21.76	21.62	21.65			
5	64QAM	1	12	21.60	21.63	21.61	22	2	
5	64QAM	1	24	21.52	21.50	21.58			
5	64QAM	12	0	20.68	20.52	20.66			
5	64QAM	12	7	20.60	20.56	20.63	21	3	
5	64QAM	12	13	20.88	20.50	20.66			
5	64QAM	25	0	20.65	20.48	20.51			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.21	23.01	23.15	24	0	
3	QPSK	1	8	23.08	22.97	23.00			
3	QPSK	1	14	23.06	22.89	23.09			
3	QPSK	8	0	22.11	22.16	22.19	23	1	
3	QPSK	8	4	22.24	22.08	22.28			
3	QPSK	8	7	22.16	22.05	22.19			
3	QPSK	15	0	22.21	22.11	22.22	23	1	
3	16QAM	1	0	22.53	22.52	22.55			
3	16QAM	1	8	22.56	22.39	22.52			
3	16QAM	1	14	22.43	22.29	22.48	22	2	
3	16QAM	8	0	21.59	21.42	21.56			
3	16QAM	8	4	21.50	21.50	21.52			
3	16QAM	8	7	21.46	21.38	21.45	22	2	
3	16QAM	15	0	21.45	21.33	21.54			
3	64QAM	1	0	21.78	21.61	21.75			
3	64QAM	1	8	21.45	21.72	21.69	22	2	
3	64QAM	1	14	21.43	21.45	21.45			
3	64QAM	8	0	20.61	20.58	20.71			
3	64QAM	8	4	20.59	20.66	20.72	21	3	
3	64QAM	8	7	20.65	20.50	20.69			
3	64QAM	15	0	20.49	20.52	20.59			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.03	22.96	22.99	24	0	
1.4	QPSK	1	3	22.96	22.97	22.96			
1.4	QPSK	3	0	23.01	22.97	22.98			
1.4	QPSK	3	1	23.02	23.01	23.04	23	1	
1.4	QPSK	3	3	22.98	22.96	22.93			
1.4	QPSK	6	0	22.14	22.13	22.16			
1.4	16QAM	1	0	22.37	22.25	22.41	23	1	
1.4	16QAM	1	3	22.54	22.48	22.38			
1.4	16QAM	1	5	22.31	22.38	22.29			
1.4	16QAM	3	0	22.30	22.13	22.30	22	2	
1.4	16QAM	3	1	22.28	22.22	22.28			
1.4	16QAM	3	3	22.24	22.06	22.15			
1.4	64QAM	1	0	21.49	21.21	21.32	22	2	
1.4	64QAM	1	3	21.56	21.22	21.27			
1.4	64QAM	3	0	21.56	21.41	21.50			
1.4	64QAM	3	0	21.53	21.51	21.39	22	2	
1.4	64QAM	3	1	21.31	21.23	21.20			
1.4	64QAM	3	3	21.29	21.30	21.35			
1.4	64QAM	6	0	20.24	20.22	20.25	21	3	3

Band 7 (2600MHz Band) Part 27									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.45	23.53	23.39			
20	QPSK	1	49	23.45	23.41	23.43		24	0
20	QPSK	1	99	23.47	23.40	23.45			
20	QPSK	50	0	22.39	22.49	22.19			
20	QPSK	50	24	22.45	22.37	22.37			
20	QPSK	50	50	22.37	22.32	22.29		23	1
20	QPSK	100	0	22.33	22.45	22.38			
20	16QAM	1	0	22.60	22.58	22.53			
20	16QAM	1	49	22.50	22.59	22.58		23	1
20	16QAM	1	99	22.43	22.48	22.52			
20	16QAM	50	0	21.46	21.37	21.39			
20	16QAM	50	24	21.48	21.43	21.42			
20	16QAM	50	50	21.35	21.35	21.35		22	2
20	16QAM	100	0	21.43	21.45	21.23			
20	64QAM	1	0	21.67	21.62	21.59			
20	64QAM	1	49	21.72	21.59	21.47		22	2
20	64QAM	1	99	21.50	21.63	21.57			
20	64QAM	50	0	20.42	20.23	20.45			
20	64QAM	50	24	20.45	20.20	20.35			
20	64QAM	50	50	20.25	20.12	20.52		21	3
20	64QAM	100	0	20.39	20.16	20.37			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.32	23.21	23.16			
15	QPSK	1	37	23.27	23.17	23.15		24	0
15	QPSK	1	74	23.23	23.20	23.12			
15	QPSK	36	0	22.55	22.39	22.46			
15	QPSK	36	20	22.29	22.35	22.39		23	1
15	QPSK	36	39	22.44	22.29	22.40			
15	QPSK	75	0	22.36	22.46	22.45			
15	16QAM	1	0	22.67	22.47	22.56		23	1
15	16QAM	1	37	22.23	22.47	22.80			
15	16QAM	1	74	22.60	22.43	22.65			
15	16QAM	36	0	21.49	21.38	21.44			
15	16QAM	36	20	21.36	21.39	21.47		22	2
15	16QAM	36	39	21.34	21.29	21.40			
15	16QAM	75	0	21.53	21.48	21.45			
15	64QAM	1	0	21.57	21.59	21.55			
15	64QAM	1	37	21.64	21.41	21.38		22	2
15	64QAM	1	74	21.35	21.46	21.54			
15	64QAM	36	0	20.32	20.14	20.31			
15	64QAM	36	20	20.28	20.07	20.26		21	3
15	64QAM	36	39	20.10	19.94	20.38			
15	64QAM	75	0	20.21	20.12	20.21			
Channel				20890	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.54	23.45	23.40			
10	QPSK	1	25	23.45	23.49	23.28		24	0
10	QPSK	1	49	23.53	23.30	23.40			
10	QPSK	25	0	22.62	22.58	22.61			
10	QPSK	25	12	22.41	22.62	22.43		23	1
10	QPSK	25	25	22.15	22.47	22.45			
10	QPSK	50	0	22.32	22.54	22.53			
10	16QAM	1	0	22.65	22.63	22.70		23	1
10	16QAM	1	25	22.28	22.59	22.60			
10	16QAM	1	49	22.55	22.63	22.67			
10	16QAM	25	0	21.71	21.57	21.59			
10	16QAM	25	12	21.53	21.69	21.57		22	2
10	16QAM	25	25	21.27	21.48	21.55			
10	16QAM	50	0	21.54	21.59	21.52			
10	64QAM	1	0	21.55	21.55	21.49			
10	64QAM	1	25	21.65	21.49	21.35		22	2
10	64QAM	1	49	21.32	21.55	21.45			
10	64QAM	25	0	20.38	20.04	20.43			
10	64QAM	25	12	20.40	20.03	20.30		21	3
10	64QAM	25	25	20.09	20.07	20.47			
10	64QAM	50	0	20.32	20.08	20.33			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.38	23.29	23.33			
5	QPSK	1	12	23.53	23.35	23.37		24	0
5	QPSK	1	24	23.43	23.37	23.37			
5	QPSK	12	0	22.63	22.52	22.47			
5	QPSK	12	7	22.62	22.65	22.53		23	1
5	QPSK	12	13	22.63	22.56	22.62			
5	QPSK	25	0	22.65	22.50	22.53			
5	16QAM	1	0	22.60	22.55	22.61			
5	16QAM	1	12	22.62	22.58	22.69		23	1
5	16QAM	1	24	22.60	22.73	22.60			
5	16QAM	12	0	21.60	21.54	21.49			
5	16QAM	12	7	21.70	21.59	21.57		22	2
5	16QAM	12	13	21.75	21.57	21.62			
5	16QAM	25	0	21.66	21.61	21.54			
5	64QAM	1	0	21.56	21.57	21.42			
5	64QAM	1	12	21.70	21.52	21.36		22	2
5	64QAM	1	24	21.47	21.55	21.50			
5	64QAM	12	0	20.37	20.15	20.38			
5	64QAM	12	7	20.34	20.15	20.31			
5	64QAM	12	13	20.12	19.99	20.46		21	3
5	64QAM	25	0	20.26	20.08	20.27			

Band 12 (700MHz Low Band) Part 27F(only on channel required)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.93	23.07	22.90			
10	QPSK	1	25	22.89	22.63	22.62		24	0
10	QPSK	1	49	22.62	22.60	22.61			
10	QPSK	25	0	21.76	21.94	21.75			
10	QPSK	25	12	21.90	21.80	21.84		23	1
10	QPSK	25	25	21.90	21.83	21.80			
10	QPSK	50	0	21.99	22.01	21.86			
10	16QAM	1	0	22.05	22.04	22.17			
10	16QAM	1	25	22.11	21.97	22.11		23	1
10	16QAM	1	49	22.06	21.93	21.87			
10	16QAM	25	0	21.18	20.98	21.03			
10	16QAM	25	12	21.13	21.11	21.19			
10	16QAM	25	25	21.13	21.10	21.03		22	2
10	16QAM	50	0	21.17	21.09	21.09			
10	64QAM	1	0	21.27	21.22	21.28			
10	64QAM	1	25	21.27	21.06	21.22		22	2
10	64QAM	1	49	21.12	21.11	21.18			
10	64QAM	25	0	20.14	19.91	19.86			
10	64QAM	25	12	20.11	19.98	20.12		21	3
10	64QAM	25	25	20.09	19.96	20.01			
10	64QAM	50	0	20.10	20.01	19.92			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.76	22.58	22.66			
5	QPSK	1	12	22.70	22.66	22.67		24	0
5	QPSK	1	24	22.75	22.50	22.59			
5	QPSK	12	0	21.88	21.79	21.78			
5	QPSK	12	7	21.93	21.84	21.85		23	1
5	QPSK	12	13	21.90	21.77	21.76			
5	QPSK	25	0	21.82	21.80	21.73			
5	16QAM	1	0	22.13	22.00	22.11		23	1
5	16QAM	1	12	22.08	22.11	22.07			
5	16QAM	1	24	22.11	22.05	22.05			
5	16QAM	12	0	21.08	21.05	20.98			
5	16QAM	12	7	21.10	21.04	21.10		22	2
5	16QAM	12	13	21.08	21.01	20.97			
5	16QAM	25	0	21.17	21.10	20.99			
5	64QAM	1	0	21.19	21.12	21.29			
5	64QAM	1	12	21.30	21.08	21.22		22	2
5	64QAM	1	24	21.13	21.06	20.90			
5	64QAM	12	0	20.07	19.93	19.96			
5	64QAM	12	7	20.08	19.98	20.17		21	3
5	64QAM	12	13	20.08	19.96	19.96			
5	64QAM	25	0	20.05	20.02	20.03			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.81	22.64	22.62			
3	QPSK	1	8	22.77	22.73	22.65		24	0
3	QPSK	1	14	22.71	22.57	22.53			
3	QPSK	8	0	21.94	21.71	21.77			
3	QPSK	8	4	21.93	21.76	21.86		23	1
3	QPSK	8	7	21.89	21.77	21.78			
3	16QAM	15	0	21.96	21.87	21.72			
3	16QAM	1	0	22.12	22.02	22.08			
3	16QAM	1	8	22.14	22.17	22.04		23	1
3	16QAM	1	14	22.13	22.09	22.02			
3	16QAM	8	0	21.11	21.10	21.04			
3	16QAM	8	4	21.21	21.11	21.08		22	2
3	16QAM	8	7	21.22	21.09	21.04			
3	16QAM	15	0	21.19	21.06	21.03			</

Band 17 (700MHz Band) Part 27H(only on channel required)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				23760	23790	23800	
Frequency (MHz)				2109	2110	2111	
10	QPSK	1	0	23.00	23.01	22.91	24
10	QPSK	1	25	22.87	22.75	22.88	
10	QPSK	1	49	22.82	22.81	22.75	
10	QPSK	25	0	22.09	22.16	22.12	23
10	QPSK	25	12	22.15	22.10	22.08	
10	QPSK	25	25	22.12	22.06	22.00	
10	QPSK	50	0	21.91	22.04	21.89	23
10	16QAM	1	0	22.22	22.17	22.10	
10	16QAM	1	25	22.15	22.06	21.99	
10	16QAM	1	49	21.97	22.00	21.96	22
10	16QAM	25	0	21.11	21.13	20.97	
10	16QAM	25	12	21.15	21.22	21.09	
10	16QAM	25	25	21.07	21.07	21.04	22
10	16QAM	50	0	21.10	21.12	21.17	
10	64QAM	1	0	21.27	21.27	21.21	
10	64QAM	1	25	21.17	21.16	21.16	22
10	64QAM	1	49	21.04	21.04	20.96	
10	64QAM	25	0	20.04	20.07	19.90	
10	64QAM	25	12	20.03	20.08	20.06	21
10	64QAM	25	25	20.03	20.00	19.88	
10	64QAM	50	0	20.05	20.01	20.05	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.84	22.79	22.74	24
5	QPSK	1	12	22.77	22.72	22.72	
5	QPSK	1	24	22.64	22.65	22.59	
5	QPSK	12	0	22.04	21.94	21.87	23
5	QPSK	12	7	21.96	21.91	21.92	
5	QPSK	12	13	21.87	21.80	21.84	
5	QPSK	25	0	21.95	21.96	21.85	23
5	16QAM	1	0	22.16	22.18	22.14	
5	16QAM	1	12	22.25	22.05	22.13	
5	16QAM	1	24	22.09	22.11	22.11	22
5	16QAM	12	0	21.27	21.18	21.19	
5	16QAM	12	7	21.21	21.18	21.13	
5	16QAM	12	13	21.14	21.04	21.05	22
5	16QAM	25	0	21.15	21.17	21.10	
5	64QAM	1	0	21.45	21.40	21.30	
5	64QAM	1	12	21.41	21.09	21.30	22
5	64QAM	1	24	21.12	21.28	21.15	
5	64QAM	12	0	20.19	20.03	20.15	
5	64QAM	12	7	20.15	20.00	20.11	21
5	64QAM	12	13	20.12	19.86	19.99	
5	64QAM	25	0	20.13	19.99	19.92	

Band 66							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.20	23.35	23.21	24
20	QPSK	1	49	23.16	23.16	23.03	
20	QPSK	1	99	23.11	23.15	23.05	
20	QPSK	50	0	22.67	22.75	22.55	23
20	QPSK	50	24	22.71	22.71	22.66	
20	QPSK	50	50	22.71	22.69	22.63	
20	QPSK	100	0	22.76	22.76	22.65	23
20	16QAM	1	0	22.44	22.66	22.58	
20	16QAM	1	49	22.46	22.77	22.54	
20	16QAM	1	99	22.73	22.72	22.63	22
20	16QAM	50	0	21.40	21.38	21.33	
20	16QAM	50	24	21.42	21.46	21.46	
20	16QAM	50	50	21.44	21.34	21.45	22
20	16QAM	100	0	21.39	21.44	21.41	
20	64QAM	1	0	21.33	21.50	21.45	
20	64QAM	1	49	21.25	21.55	21.47	22
20	64QAM	1	99	21.18	21.37	21.40	
20	64QAM	50	0	20.53	20.54	20.48	
20	64QAM	50	24	20.32	20.61	20.62	21
20	64QAM	50	50	20.59	20.53	20.44	
20	64QAM	100	0	20.51	20.61	20.52	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.78	23.03	23.02	24
15	QPSK	1	37	22.91	23.01	22.95	
15	QPSK	1	74	22.96	22.95	22.97	
15	QPSK	36	0	22.27	22.32	22.30	23
15	QPSK	36	20	22.34	22.48	22.35	
15	QPSK	36	39	22.37	22.45	22.34	
15	QPSK	75	0	22.37	22.47	22.33	23
15	16QAM	1	0	22.50	22.62	22.53	
15	16QAM	1	37	22.42	22.71	22.58	
15	16QAM	1	74	22.48	22.45	22.61	22
15	16QAM	36	0	21.27	21.33	21.23	
15	16QAM	36	20	21.38	21.48	21.41	
15	16QAM	36	39	21.38	21.41	21.38	22
15	16QAM	75	0	21.33	21.45	21.30	
15	64QAM	1	0	21.21	21.46	21.43	
15	64QAM	1	37	21.20	21.38	21.38	22
15	64QAM	1	74	21.12	21.23	21.27	
15	64QAM	36	0	20.49	20.50	20.42	
15	64QAM	36	20	20.24	20.55	20.43	21
15	64QAM	36	39	20.47	20.35	20.38	
15	64QAM	75	0	20.36	20.54	20.47	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.06	23.03	23.05	24
10	QPSK	1	25	23.05	23.01	23.02	
10	QPSK	1	49	23.03	23.03	23.04	
10	QPSK	25	0	22.48	22.50	22.40	23
10	QPSK	25	12	22.45	22.61	22.45	
10	QPSK	25	25	22.43	22.48	22.53	
10	QPSK	50	0	22.47	22.55	22.41	23
10	16QAM	1	0	22.62	22.75	22.64	
10	16QAM	1	25	22.62	22.62	22.56	
10	16QAM	1	49	22.67	22.70	22.72	22
10	16QAM	25	0	21.52	21.58	21.49	
10	16QAM	25	12	21.51	21.61	21.56	
10	16QAM	25	25	21.47	21.66	21.56	22
10	16QAM	50	0	21.45	21.63	21.47	
10	64QAM	1	0	21.24	21.36	21.33	
10	64QAM	1	25	21.07	21.50	21.34	22
10	64QAM	1	49	21.06	21.24	21.31	
10	64QAM	25	0	20.50	20.49	20.30	
10	64QAM	25	12	20.19	20.42	20.41	21
10	64QAM	25	25	20.49	20.48	20.41	
10	64QAM	50	0	20.36	20.48	20.46	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.03	23.02	23.02	24
5	QPSK	1	12	23.02	23.03	23.09	
5	QPSK	1	24	23.00	23.01	23.04	
5	QPSK	12	0	22.50	22.54	22.55	23
5	QPSK	12	7	22.50	22.60	22.51	
5	QPSK	12	13	22.48	22.59	22.53	
5	QPSK	25	0	22.52	22.59	22.53	23
5	16QAM	1	0	22.73	22.83	22.79	
5	16QAM	1	12	22.65	22.77	22.77	
5	16QAM	1	24	22.85	22.83	22.77	22
5	16QAM	12	0	21.52	21.64	21.52	
5	16QAM	12	7	21.51	21.59	21.56	
5	16QAM	12	13	21.48	21.58	21.49	22
5	16QAM	25	0	21.48	21.60	21.49	
5	64QAM	1	0	21.30	21.40	21.38	
5	64QAM	1	12	21.09	21.36	21.35	22
5	64QAM	1	24	20.99	21.19	21.23	
5	64QAM	12	0	20.48	20.52	20.28	
5	64QAM	12	7	20.17	20.53	20.49	21
5	64QAM	12	13	20.46	20.38	20.36	
5	64QAM	25	0	20.46	20.49	20.46	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.88	23.06	22.93	24
3	QPSK	1	8	22.98	23.01	22.96	
3	QPSK	1	14	22.92	22.96	22.92	
3	QPSK	8	0	22.50	22.53	22.54	23
3	QPSK	8	4	22.47	22.64	22.55	
3	QPSK	8	7	22.45	22.58	22.56	
3	QPSK	15	0	22.42	22.53	22.53	23
3	16QAM	1	0	22.71	22.84	22.69	
3	16QAM	1	8	22.82	22.76	22.80	
3	16QAM	1	14	22.74	22.83	22.85	22
3	16QAM	8	0	21.57	21.64	21.56	
3	16QAM	8	4	21.57	21.70	21.60	
3	16QAM	8	7	21.51	21.58	21.55	22
3	16QAM	15	0	21.55	21.60	21.53	
3	64QAM	1	0	21.25	21.32	21.32	
3	64QAM	1	8	21.20	21.39	21.45	22
3	64QAM	1	14	21.11	21.19	21.34	
3	64QAM	8	0	20.44	20.35	20.32	
3	64QAM	8	4	20.15	20.54	20.46	21
3	64QAM	8	7	20.45	20.44	20.33	
3	64QAM	15	0	20.44	20.54	20.33	
Channel				131979	132322	132685	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.75	22.96	22.98	24
1.4	QPSK	1	3	22.91	23.07	22.93	
1.4	QPSK	1	5	22.78	23.00	22.80	
1.4	QPSK	3	0	22.85	22.93	22.90	23
1.4	QPSK	3	1	22.84	22.97	22.89	
1.4	QPSK	3	3	22.85	23.00	22.96	
1.4	QPSK	6	0	22.26	22.36	22.43	23
1.4	QPSK	6	1	22.40	22.54	22.46	
1.4	16QAM	1	3	22.60	22.73	22.72	
1.4	16QAM	1	5	22.70	22.52	22.83	23
1.4	16QAM	3	0	22.10	22.60	22.27	
1.4	16QAM	3	1	22.28	22.52	22.49	
1.4	16QAM	3	3	22.31	22.42	22.36	22
1.4	16QAM	6	0	21.37	21.53	21.46	
1.4	64QAM	1	0	21.36	21.45	21.53	
1.4	64QAM	1	3	21.45	21.67	21.65	21
1.4	64QAM	1	5	21.59	21.46	21.79	
1.4	64QAM	3	0	21.00	21.44	21.45	
1.4	64QAM	3	1	21.20	21.43	21.33	21
1.4	64QAM	3	3	21.25	21.41	21.23	
1.4	64QAM	6	0	20.34	20.35	20.46	

WWAN Default power level /Pmax power level for Ant 2

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189	251	128	189	251	
	Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	
	GSM 1 Tx slot	32.95	33.13	33.06	34.00	23.95	24.13	24.06
	GPRS 1 Tx slot	32.94	33.12	33.05	34.00	23.94	24.12	24.05
	GPRS 2 Tx slots	30.02	30.17	30.02	31.00	24.02	24.17	24.02
	GPRS 3 Tx slots	28.70	28.77	28.65	29.50	24.44	24.51	24.39
	GPRS 4 Tx slots	26.86	26.90	26.80	28.00	23.86	23.90	23.80
	EDGE 1 Tx slot	25.44	25.55	25.86	26.50	16.44	16.55	16.86
	EDGE 2 Tx slots	23.78	23.82	24.23	25.00	17.78	17.92	18.23
	EDGE 3 Tx slots	22.56	22.70	23.00	24.00	18.30	18.44	18.74
	EDGE 4 Tx slots	21.01	21.10	21.22	22.00	18.81	18.10	18.22

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
	Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	
	GSM 1 Tx slot	28.66	28.50	28.22	30.00	19.66	19.50	19.22
	GPRS 1 Tx slot	28.65	28.49	28.20	30.00	19.65	19.49	19.20
	GPRS 2 Tx slots	26.09	25.79	25.67	27.00	20.09	19.79	19.67
	GPRS 3 Tx slots	24.73	24.76	24.45	26.00	20.47	20.50	20.19
	GPRS 4 Tx slots	22.66	22.32	22.19	23.50	19.66	19.32	19.19
	EDGE 1 Tx slot	23.77	23.69	23.51	24.50	14.77	14.69	14.51
	EDGE 2 Tx slots	22.06	21.99	21.82	23.00	16.06	15.99	15.82
	EDGE 3 Tx slots	20.93	20.48	20.66	22.00	16.67	16.22	16.40
	EDGE 4 Tx slots	18.70	18.59	18.22	19.50	15.70	15.59	15.22

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.40	22.71	22.68	24.00	22.73	22.77	22.68	24.00
3GPP Rel 99	RMC 12.2Kbps	22.41	22.72	22.70	24.00	22.75	22.79	22.69	24.00
3GPP Rel 6	HSDPA Subtest-1	21.57	21.70	21.88	23.00	22.25	22.15	22.11	23.00
3GPP Rel 6	HSDPA Subtest-2	21.55	21.75	21.84	23.00	22.28	22.17	22.07	23.00
3GPP Rel 6	HSDPA Subtest-3	21.09	21.20	21.37	22.50	21.77	21.65	21.56	22.50
3GPP Rel 6	HSDPA Subtest-4	21.11	21.27	21.40	22.50	21.81	21.63	21.58	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.44	21.63	21.75	23.00	22.19	22.07	22.00	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.42	21.65	21.76	23.00	22.22	22.06	21.95	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.00	21.12	21.30	22.50	21.70	21.57	21.46	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.02	21.20	21.26	22.50	21.68	21.50	21.47	22.50
3GPP Rel 6	HSUPA Subtest-1	21.61	21.80	21.93	23.00	22.49	22.37	22.29	23.00
3GPP Rel 6	HSUPA Subtest-2	19.61	19.76	19.93	21.00	20.47	20.39	20.34	21.00
3GPP Rel 6	HSUPA Subtest-3	20.60	20.76	20.92	22.00	21.46	21.35	21.33	22.00
3GPP Rel 6	HSUPA Subtest-4	19.66	19.80	19.97	21.00	20.47	20.38	20.31	21.00
3GPP Rel 6	HSUPA Subtest-5	21.60	21.70	21.90	23.00	22.40	22.40	22.30	23.00

Band 2 (1900MHz Band) Part 24E											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				1870	1890	1900					
20	QPSK	1	0	21.69	21.99	21.92	23	0			
20	QPSK	1	49	21.50	21.59	21.64					
20	QPSK	1	99	21.50	21.49	21.77					
20	QPSK	50	0	20.70	21.00	20.86					
20	QPSK	50	24	20.88	20.81	20.85	22	1			
20	QPSK	50	50	20.79	20.86	20.98					
20	QPSK	100	0	20.88	20.95	20.89					
20	16QAM	1	0	20.99	20.82	20.84					
20	16QAM	1	49	20.89	20.88	20.97	22	1			
20	16QAM	1	99	20.97	20.82	21.10					
20	16QAM	50	0	19.72	19.75	19.78					
20	16QAM	50	24	19.78	19.69	19.82					
20	16QAM	50	50	19.68	19.77	19.91	21	2			
20	16QAM	100	0	19.81	19.71	19.80					
20	64QAM	1	0	19.92	19.93	19.89					
20	64QAM	1	49	19.82	20.00	19.76					
20	64QAM	1	99	19.83	19.81	19.92	21	2			
20	64QAM	50	0	19.09	19.05	19.13					
20	64QAM	50	24	19.26	18.97	19.26					
20	64QAM	50	50	19.05	19.13	19.12					
20	64QAM	100	0	19.07	18.92	19.01	20	3			
Channel											
Frequency (MHz)				1867.5	1890	1902.5			Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.86	21.63	21.55	23	0			
15	QPSK	1	37	21.66	21.54	21.69					
15	QPSK	1	74	21.65	21.46	21.60					
15	QPSK	36	0	21.13	21.00	21.06					
15	QPSK	36	20	21.20	20.98	21.08	22	1			
15	QPSK	36	39	21.17	20.97	21.13					
15	QPSK	75	0	21.13	20.99	21.07					
15	16QAM	1	0	21.34	21.28	21.26					
15	16QAM	1	37	21.32	21.22	21.37	22	1			
15	16QAM	1	74	21.30	21.23	21.41					
15	16QAM	36	0	19.87	19.98	20.01					
15	16QAM	36	20	20.01	19.94	20.00					
15	16QAM	36	39	20.01	19.88	20.13	21	2			
15	16QAM	75	0	20.04	19.89	20.04					
15	64QAM	1	0	20.01	19.99	19.96					
15	64QAM	1	37	20.02	19.98	19.88					
15	64QAM	1	74	19.88	19.63	20.13	21	2			
15	64QAM	36	0	19.32	19.16	19.33					
15	64QAM	36	20	19.00	19.08	19.12					
15	64QAM	36	39	18.98	19.00	19.04					
15	64QAM	75	0	19.04	19.21	19.15	20	3			
Channel											
Frequency (MHz)				1865.0	1890	1905			Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.62	21.74	21.85	23	0			
10	QPSK	1	25	21.66	21.82	21.81					
10	QPSK	1	49	21.56	21.85	21.63					
10	QPSK	25	0	20.95	20.86	21.09					
10	QPSK	25	12	20.92	20.80	20.89	22	1			
10	QPSK	25	25	20.89	20.82	20.87					
10	QPSK	50	0	20.93	20.79	20.85					
10	16QAM	1	0	21.11	21.14	21.05					
10	16QAM	1	25	21.14	21.11	21.09	22	1			
10	16QAM	1	49	20.94	20.97	21.17					
10	16QAM	25	0	20.18	20.07	20.19					
10	16QAM	25	12	20.15	19.99	20.14					
10	16QAM	25	25	20.04	20.03	20.26	21	2			
10	16QAM	50	0	20.10	20.02	20.14					
10	64QAM	1	0	19.96	19.92	20.14					
10	64QAM	1	25	20.07	19.94	20.14					
10	64QAM	1	49	20.08	20.07	20.11	21	2			
10	64QAM	25	0	19.92	19.92	19.28					
10	64QAM	25	12	19.31	19.37	19.52					
10	64QAM	25	25	19.30	19.50	19.35					
10	64QAM	50	0	18.64	18.58	18.48	20	3			
Channel											
Frequency (MHz)				1862.5	1890	1917.5			Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.85	21.69	21.68	23	0			
5	QPSK	1	12	21.82	21.85	21.69					
5	QPSK	1	24	21.73	21.72	21.70					
5	QPSK	12	0	20.98	20.85	20.93					
5	QPSK	12	7	20.87	20.88	20.93	22	1			
5	QPSK	12	13	20.76	20.80	21.10					
5	QPSK	25	0	20.88	20.79	20.93					
5	16QAM	1	0	21.08	21.14	21.15					
5	16QAM	1	12	20.99	21.06	21.14	22	1			
5	16QAM	1	24	21.05	20.99	21.13					
5	16QAM	12	0	20.14	20.13	20.29					
5	16QAM	12	7	20.17	20.11	20.27					
5	16QAM	12	13	20.07	20.03	20.20	21	2			
5	16QAM	25	0	20.09	19.98	20.23					
5	64QAM	1	0	20.32	20.28	20.46					
5	64QAM	1	12	20.12	20.03	20.24					
5	64QAM	1	24	20.24	20.24	20.35	21	2			
5	64QAM	12	0	19.39	19.49	19.52					
5	64QAM	12	7	19.34	19.33	19.48					
5	64QAM	12	13	19.30	19.24	19.37					
5	64QAM	25	0	19.18	19.21	19.41	20	3			
Channel											
Frequency (MHz)				1861.5	1890	1918.5			Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.63	21.76	21.53	23	0			
3	QPSK	1	8	21.45	21.65	21.52					
3	QPSK	1	14	21.75	21.75	21.76					
3	QPSK	8	0	20.78	20.86	20.98					
3	QPSK	8	4	20.86	20.79	20.91	22	1			
3	QPSK	8	7	20.75	20.72	20.91					
3	QPSK	15	0	20.81	20.74	20.97					
3	16QAM	1	0	21.10	21.13	21.12					
3	16QAM	1	8	21.13	21.12	21.17	22	1			
3	16QAM	1	14	21.00	20.96	21.08					
3	16QAM	8	0	20.20	20.05	20.28					
3	16QAM	8	4	20.20	20.10	20.24					
3	16QAM	15	0	20.07	20.07	20.19	21	2			
3	16QAM	15	0	20.13	19.96	20.18					
3	64QAM	1	0	20.45	20.32	20.38					
3	64QAM	1	8	20.22	20.28	20.33					
3	64QAM	1	14	20.25	20.15	20.20	21	2			
3	64QAM	8	0	19.43	19.32	19.51					
3	64QAM	8	4	19.41	19.33	19.45					
3	64QAM	8	7	19.34	19.24	19.42					
3	64QAM	15	0	19.13	19.16	19.33	20	3			
Channel											
Frequency (MHz)				1860.7	1890	1909.3			Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.82	21.69	21.85	23	0			
1.4	QPSK	1	3	21.70	21.65	21.83					
1.4	QPSK	1	5	21.65	21.58	21.75					
1.4	QPSK	3	0	21.81	21.69	21.81					
1.4	QPSK	3	1	21.77	21.72	21.50	22	1			
1.4	QPSK	3	3	21.70	21.65	21.86					
1.4	QPSK	6	0	20.83	20.79	20.94					
1.4	16QAM	1	0	21.11	21.01	21.11					
1.4	16QAM	1	3	21.16	21.02	21.16	22	1			
1.4	16QAM	1	5	21.07	21.01	21.04					
1.4	16QAM	3	0	20.84	20.81	20.93					
1.4	16QAM	3	1	20.90	20.84	20.95					
1.4	16QAM	3	3	20.90	20.73	20.82	21	2			
1.4	16QAM	6	0	19.37	19.66	19.49					
1.4	16QAM	1	0	20.31	20.31	20.45					
1.4	64QAM	1	3	20.24	20.28	20.10					
1.4	64QAM	1	3	20.14	20.33	20.12	21	2			
1.4	64QAM	3	0	19.99	19.92	20.11					
1.4	64QAM	3	1	20.22	20.10	20.24					
1.4	64QAM	3	3	19.94	19.98	20.21					
1.4	64QAM	6	0	19.36	19.33	19.21	20	3			

Band 12 (700MHz Low Band) Part 27F(only on channel required)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				700	707.5	711			
Frequency (MHz)				700	707.5	711			
10	QPSK	1	0	22.41	22.69	22.45	24	0	
10	QPSK	1	25	22.20	22.22	22.32			
10	QPSK	1	49	22.21	22.32	22.22	23	1	
10	QPSK	25	0	21.68	21.73	21.64			
10	QPSK	25	12	21.69	21.63	21.69	23	1	
10	QPSK	25	25	21.69	21.66	21.62			
10	QPSK	50	0	21.65	21.68	21.66	22	2	
10	16QAM	1	0	21.90	21.62	21.93			
10	16QAM	1	25	21.93	21.77	21.80	23	1	
10	16QAM	1	49	21.92	21.74	21.77			
10	16QAM	25	0	20.97	20.87	20.83	22	2	
10	16QAM	25	12	20.97	20.85	20.98			
10	16QAM	25	25	20.88	20.86	20.80	22	2	
10	16QAM	50	0	20.89	20.86	20.89			
10	64QAM	1	0	20.83	20.88	20.85	22	2	
10	64QAM	1	25	20.84	20.60	20.84			
10	64QAM	1	49	20.84	20.69	20.60	21	3	
10	64QAM	25	0	19.94	20.04	20.21			
10	64QAM	25	12	19.82	20.18	19.82	21	3	
10	64QAM	25	25	19.92	19.95	19.80			
10	64QAM	50	0	19.88	19.80	20.08			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.59	22.50	22.52	24	0	
5	QPSK	1	12	22.64	22.59	22.52			
5	QPSK	1	24	22.50	22.50	22.51	23	1	
5	QPSK	12	0	21.68	21.66	21.50			
5	QPSK	12	7	21.66	21.72	21.69	23	1	
5	QPSK	12	13	21.66	21.62	21.58			
5	QPSK	25	0	21.74	21.66	21.56	23	1	
5	16QAM	1	0	21.95	21.92	21.90			
5	16QAM	1	12	21.90	21.84	21.88	23	1	
5	16QAM	1	24	21.91	21.83	21.95			
5	16QAM	12	0	20.95	20.86	20.83	22	2	
5	16QAM	12	7	20.99	20.99	20.94			
5	16QAM	12	13	20.94	20.80	20.83	22	2	
5	16QAM	25	0	20.88	20.88	20.84			
5	64QAM	1	0	20.74	20.78	20.87	22	2	
5	64QAM	1	12	20.62	20.78	20.81			
5	64QAM	1	24	20.79	20.55	20.54	21	3	
5	64QAM	12	0	19.90	19.65	19.87			
5	64QAM	12	7	19.93	20.07	19.86	21	3	
5	64QAM	12	13	19.74	19.76	19.66			
5	64QAM	25	0	20.06	19.85	19.84			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.52	22.46	22.52	24	0	
3	QPSK	1	8	22.60	22.55	22.50			
3	QPSK	1	14	22.51	22.41	22.42	23	1	
3	QPSK	8	0	21.72	21.57	21.58			
3	QPSK	8	4	21.76	21.66	21.64	23	1	
3	QPSK	8	7	21.65	21.61	21.65			
3	QPSK	15	0	21.67	21.70	21.60	23	1	
3	16QAM	1	0	21.92	21.93	21.88			
3	16QAM	1	8	21.80	21.84	21.86	23	1	
3	16QAM	1	14	21.89	21.84	21.69			
3	16QAM	8	0	21.07	20.84	20.89	22	2	
3	16QAM	8	4	21.03	20.94	20.95			
3	16QAM	8	7	20.96	20.84	20.86	22	2	
3	16QAM	15	0	20.96	20.67	20.81			
3	64QAM	1	0	20.84	20.79	20.79	22	2	
3	64QAM	1	8	20.68	20.87	20.84			
3	64QAM	1	14	20.85	20.72	20.64	21	3	
3	64QAM	8	0	19.62	19.84	20.07			
3	64QAM	8	4	19.61	19.83	19.78	21	3	
3	64QAM	8	7	19.62	19.92	19.91			
3	64QAM	15	0	19.52	19.78	19.74			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.52	22.41	22.43	24	0	
1.4	QPSK	1	3	22.57	22.41	22.43			
1.4	QPSK	1	5	22.45	22.35	22.33	23	1	
1.4	QPSK	3	0	22.60	22.43	22.42			
1.4	QPSK	3	1	22.57	22.49	22.44	22	2	
1.4	QPSK	3	3	22.55	22.48	22.39			
1.4	QPSK	6	0	21.72	21.60	21.52	23	1	
1.4	16QAM	1	0	21.88	21.82	21.76			
1.4	16QAM	1	3	21.96	21.83	21.84	22	2	
1.4	16QAM	1	5	21.90	21.88	21.78			
1.4	16QAM	3	0	21.62	21.70	21.58	23	1	
1.4	16QAM	3	1	21.72	21.72	21.61			
1.4	16QAM	3	3	21.60	21.73	21.41	22	2	
1.4	16QAM	6	0	20.92	20.85	20.79			
1.4	64QAM	1	0	20.67	20.74	20.53	22	2	
1.4	64QAM	1	3	20.75	20.75	20.40			
1.4	64QAM	1	5	20.61	20.41	20.57	22	2	
1.4	64QAM	3	0	20.65	20.50	20.52			
1.4	64QAM	3	1	20.56	20.57	20.41	21	3	
1.4	64QAM	3	3	20.65	20.55	20.49			
1.4	64QAM	6	0	19.81	19.84	19.67	21	3	

Band 13(700MHz Band) Part 27F									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		22.99		24	0	
10	QPSK	1	25		22.72				
10	QPSK	1	49		22.65				
10	QPSK	25	0		22.06		23	1	
10	QPSK	25	12		21.93				
10	QPSK	25	25		21.91				
10	QPSK	50	0		21.93		23	1	
10	16QAM	1	0		21.73				
10	16QAM	1	25		21.97				
10	16QAM	1	49		22.13		23	1	
10	16QAM	25	0		21.12				
10	16QAM	25	12		21.22				
10	16QAM	25	25		21.24		22	2	
10	16QAM	50	0		21.12				
10	64QAM	1	0		20.66				
10	64QAM	1	25		21.07		22	2	
10	64QAM	1	49		20.98				
10	64QAM	25	0		20.15				
10	64QAM	25	12		20.18		21	3	
10	64QAM	25	25		20.32				
10	64QAM	50	0		19.96				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	22.71	22.80	22.77	24	0	
5	QPSK	1	12	22.91	22.86	22.81			
5	QPSK	1	24	22.91	22.77	22.76			
5	QPSK	12	0	22.00	21.98	21.94	23	1	
5	QPSK	12	7	22.00	21.97	21.89			
5	QPSK	12	13	22.00	21.96	21.96			
5	QPSK	25	0	22.08	21.96	21.85	23	1	
5	16QAM	1	0	22.02	22.24	22.29			
5	16QAM	1	12	22.29	22.24	22.20			
5	16QAM	1	24	22.25	22.20	22.11	22	2	
5	16QAM	12	0	20.68	20.81	20.77			
5	16QAM	12	7	20.92	20.83	20.74			
5	16QAM	12	13	20.90	20.88	20.80	22	2	
5	16QAM	25	0	20.75	20.83	20.72			
5	64QAM	1	0	20.86	20.89	20.80			
5	64QAM	1	12	20.99	20.83	20.99	22	2	
5	64QAM	1	24	20.85	20.92	20.92			
5	64QAM	12	0	19.13	19.18	19.19			
5	64QAM	12	7	19.27	19.27	19.38	21	3	
5	64QAM	12	13	19.28	19.24	19.22			
5	64QAM	25	0	19.46	19.29	19.16			

Band 66										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	21.79	22.08	21.77	23	0		
20	QPSK	1	49	21.76	21.90	21.77				
20	QPSK	1	99	21.79	21.71	21.67				
20	QPSK	50	0	21.28	21.31	21.16	22	1		
20	QPSK	50	24	21.20	21.25	21.26				
20	QPSK	50	50	21.23	21.20	21.13				
20	QPSK	100	0	21.17	21.20	21.19	22	1		
20	16QAM	1	0	21.16	21.11	21.24				
20	16QAM	1	49	21.14	21.16	21.02				
20	16QAM	1	99	21.12	21.13	21.04	21	2		
20	16QAM	50	0	20.38	20.18	20.24				
20	16QAM	50	24	20.29	20.21	20.15				
20	16QAM	50	50	20.27	20.12	20.14	21	2		
20	16QAM	100	0	20.26	20.23	20.26				
20	64QAM	1	0	20.31	20.30	20.34				
20	64QAM	1	49	20.04	20.29	20.23	21	2		
20	64QAM	1	99	20.18	20.07	20.14				
20	64QAM	50	0	19.30	19.30	19.35				
20	64QAM	50	24	19.31	19.49	19.37	20	3		
20	64QAM	50	50	19.34	19.50	19.46				
20	64QAM	100	0	19.48	19.41	19.29				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	21.77	21.84	21.98	23	0		
15	QPSK	1	37	21.83	21.91	21.79				
15	QPSK	1	74	21.82	21.74	21.60				
15	QPSK	36	0	21.14	21.03	20.99	22	1		
15	QPSK	36	20	21.11	21.17	21.09				
15	QPSK	36	39	21.03	21.14	20.99				
15	QPSK	75	0	21.06	21.13	21.07	22	1		
15	16QAM	1	0	21.32	21.38	21.37				
15	16QAM	1	37	21.26	21.37	21.35				
15	16QAM	1	74	21.29	21.26	21.14	21	2		
15	16QAM	36	0	20.11	20.06	19.90				
15	16QAM	36	20	20.13	20.24	20.20				
15	16QAM	36	39	20.07	20.14	20.06	21	2		
15	16QAM	75	0	20.08	20.19	20.10				
15	64QAM	1	0	20.11	20.15	20.14				
15	64QAM	1	37	19.94	20.16	20.04	21	2		
15	64QAM	1	74	20.07	20.09	19.98				
15	64QAM	36	0	19.39	19.29	19.19				
15	64QAM	36	20	19.24	19.41	19.30	20	3		
15	64QAM	36	39	19.33	19.42	19.12				
15	64QAM	75	0	19.50	19.58	19.55				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	21.73	21.82	21.84	23	0		
10	QPSK	1	25	21.92	21.94	21.72				
10	QPSK	1	49	21.79	21.87	21.64				
10	QPSK	25	0	20.94	20.97	20.88	22	1		
10	QPSK	25	12	20.90	20.99	20.82				
10	QPSK	25	25	20.94	20.99	20.92				
10	QPSK	50	0	21.00	21.01	20.94	22	1		
10	16QAM	1	0	21.09	21.34	21.28				
10	16QAM	1	25	20.95	21.23	20.99				
10	16QAM	1	49	21.09	21.22	21.02	21	2		
10	16QAM	25	0	20.10	20.26	20.17				
10	16QAM	25	12	20.29	20.33	20.20				
10	16QAM	25	25	20.23	20.34	20.15	21	2		
10	16QAM	50	0	20.20	20.28	20.11				
10	64QAM	1	0	20.23	20.28	20.22				
10	64QAM	1	25	20.06	20.44	20.13	21	2		
10	64QAM	1	49	20.16	20.28	20.09				
10	64QAM	25	0	19.39	19.34	19.31				
10	64QAM	25	12	19.38	19.55	19.41	20	3		
10	64QAM	25	25	19.33	19.39	19.26				
10	64QAM	50	0	19.78	19.78	19.72				
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1772.5				
5	QPSK	1	0	21.80	21.92	21.79	23	0		
5	QPSK	1	12	21.87	21.98	21.74				
5	QPSK	1	24	21.89	21.93	21.76				
5	QPSK	12	0	21.04	20.84	20.88	22	1		
5	QPSK	12	7	21.04	21.00	20.98				
5	QPSK	12	13	20.97	21.06	20.91				
5	QPSK	25	0	21.04	21.07	20.90	22	1		
5	16QAM	1	0	21.26	21.28	21.29				
5	16QAM	1	12	21.16	21.31	21.31				
5	16QAM	1	24	21.34	21.27	21.11	21	2		
5	16QAM	12	0	20.28	20.21	20.19				
5	16QAM	12	7	20.25	20.39	20.27				
5	16QAM	12	13	20.20	20.30	20.16	21	2		
5	16QAM	25	0	20.23	20.31	20.12				
5	64QAM	1	0	20.38	20.30	20.25				
5	64QAM	1	12	20.50	20.55	20.34	21	2		
5	64QAM	1	24	20.56	20.36	20.21				
5	64QAM	12	0	19.38	19.39	19.28				
5	64QAM	12	7	19.32	19.26	19.34	20	3		
5	64QAM	12	13	19.37	19.14	19.39				
5	64QAM	25	0	19.39	19.30	19.32				
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	21.80	21.87	21.66	23	0		
3	QPSK	1	8	21.96	21.82	21.82				
3	QPSK	1	14	21.86	21.83	21.65				
3	QPSK	8	0	21.36	21.37	21.14	22	1		
3	QPSK	8	4	21.33	21.34	21.21				
3	QPSK	8	7	21.22	21.35	21.12				
3	QPSK	15	0	21.34	21.32	21.19	22	1		
3	16QAM	1	0	21.64	21.64	21.34				
3	16QAM	1	8	21.60	21.66	21.49				
3	16QAM	1	14	21.57	21.41	21.49	21	2		
3	16QAM	8	0	20.31	20.27	20.24				
3	16QAM	8	4	20.24	20.36	20.20				
3	16QAM	8	7	20.25	20.22	20.12	21	2		
3	16QAM	15	0	20.20	20.18	20.12				
3	64QAM	1	0	20.41	20.24	20.21				
3	64QAM	1	8	20.33	20.29	20.23	21	2		
3	64QAM	1	14	20.44	20.32	20.21				
3	64QAM	8	0	19.50	19.49	19.36				
3	64QAM	8	4	19.49	19.42	19.47	20	3		
3	64QAM	8	7	19.53	19.43	19.42				
3	64QAM	15	0	19.29	19.37	19.31				
Channel				131970	132322	132685	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	21.70	21.87	21.62	23	0		
1.4	QPSK	1	3	21.71	21.84	21.60				
1.4	QPSK	1	5	21.63	21.78	21.58				
1.4	QPSK	3	0	21.74	21.74	21.62	22	1		
1.4	QPSK	3	1	21.69	21.84	21.64				
1.4	QPSK	3	3	21.71	21.84	21.58				
1.4	QPSK	6	0	20.86	20.91	20.79	22	1		
1.4	16QAM	1	0	21.00	21.19	20.98				
1.4	16QAM	1	3	21.20	21.27	21.09				
1.4	16QAM	1	5	20.98	21.13	21.00	22	1		
1.4	16QAM	3	0	20.85	20.99	20.85				
1.4	16QAM	3	3	20.85	20.93	20.91				
1.4	16QAM	6	0	20.12	20.26	20.11	21	2		
1.4	16QAM	1	0	20.76	20.73	20.69				
1.4	64QAM	1	3	20.45	20.88	20.60				
1.4	64QAM	1	5	20.69	20.71	20.68	21	2		
1.4	64QAM	3	0	20.25	20.30	20.25				
1.4	64QAM	3	1	20.26	20.23	20.45				
1.4	64QAM	3	3	20.46	20.44	20.41	20	3		
1.4	64QAM	6	0	19.64	19.62	19.58				

WWAN Default power level /Pmax power level for Ant 4

Band 48_FCC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.45	22.50	22.57	22.44	24	0
20	QPSK	1	49	22.48	22.44	22.45	22.37		
20	QPSK	1	99	22.56	22.48	22.52	22.36		
20	QPSK	50	0	21.84	21.82	21.90	21.84		
20	QPSK	50	24	21.86	21.84	21.85	21.79	23	1
20	QPSK	50	50	21.88	21.87	21.89	21.78		
20	QPSK	100	0	21.80	21.83	21.88	21.76		
20	16QAM	1	0	21.76	21.85	21.80	21.73		
20	16QAM	1	49	21.87	21.79	21.83	21.74	23	1
20	16QAM	1	99	21.94	21.82	21.85	21.73		
20	16QAM	50	0	20.92	20.86	20.71	20.72		
20	16QAM	50	24	20.92	20.86	20.81	20.95		
20	16QAM	50	50	20.83	20.92	20.90	20.91	22	2
20	16QAM	100	0	20.81	20.73	20.79	20.90		
20	64QAM	1	0	21.08	21.23	20.92	20.82		
20	64QAM	1	49	20.87	20.87	20.93	21.02		
20	64QAM	1	99	20.99	21.00	20.92	20.99	22	2
20	64QAM	50	0	20.15	20.35	20.36	20.32		
20	64QAM	50	24	20.28	20.19	20.22	20.12		
20	64QAM	50	50	20.24	20.31	20.03	20.22		
20	64QAM	100	0	20.25	20.30	20.25	20.12		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3567.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.36	22.52	22.54	22.29	24	0
15	QPSK	1	37	22.20	22.21	22.23	22.47		
15	QPSK	1	74	22.27	22.29	22.31	22.40		
15	QPSK	36	0	21.45	21.66	21.71	21.50		
15	QPSK	36	20	21.63	21.55	21.50	21.36	23	1
15	QPSK	36	39	21.54	21.62	21.67	21.53		
15	QPSK	75	0	21.60	21.66	21.64	21.47		
15	16QAM	1	0	21.76	21.75	21.73	21.65		
15	16QAM	1	37	21.67	21.64	21.66	21.64	23	1
15	16QAM	1	74	21.63	21.70	21.72	21.72		
15	16QAM	36	0	20.72	20.55	20.67	20.65		
15	16QAM	36	20	20.82	20.73	20.75	20.95		
15	16QAM	36	39	20.76	20.77	20.77	20.59	22	2
15	16QAM	75	0	20.84	20.76	20.76	20.81		
15	64QAM	1	0	21.10	21.22	21.22	21.09		
15	64QAM	1	37	20.99	21.01	21.06	21.03		
15	64QAM	1	74	20.86	20.92	20.89	20.88	21	3
15	64QAM	36	0	20.15	20.13	20.13	19.83		
15	64QAM	36	20	19.99	19.87	19.87	19.89		
15	64QAM	36	39	19.95	19.92	19.92	20.08		
15	64QAM	75	0	19.93	19.91	19.91	19.98		
Channel				35590	35815	36165	36590		
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	22.21	22.32	22.29	22.31	24	0
10	QPSK	1	25	22.40	22.43	22.43	22.25		
10	QPSK	1	49	22.36	22.48	22.39	22.41		
10	QPSK	25	0	21.85	21.91	21.91	21.88		
10	QPSK	25	12	21.91	21.86	21.87	21.88	23	1
10	QPSK	25	25	21.86	21.84	21.92	21.86		
10	QPSK	50	0	21.87	21.91	21.86	21.86		
10	16QAM	1	0	22.07	22.10	22.08	22.08		
10	16QAM	1	25	22.08	21.93	22.11	21.99	23	1
10	16QAM	1	49	22.12	21.95	22.15	22.01		
10	16QAM	25	0	21.12	21.03	21.15	21.02		
10	16QAM	25	12	21.21	21.03	21.15	21.17		
10	16QAM	25	25	21.07	21.09	21.11	21.04	22	2
10	16QAM	50	0	21.13	21.04	21.07	21.08		
10	64QAM	1	0	21.02	21.11	21.06	21.09		
10	64QAM	1	25	20.71	20.78	20.77	20.88		
10	64QAM	1	49	20.84	20.90	20.82	20.79	21	3
10	64QAM	25	0	20.29	20.39	20.29	20.56		
10	64QAM	25	12	20.17	20.53	20.17	20.17		
10	64QAM	25	25	20.27	20.30	20.27	20.15		
10	64QAM	50	0	20.23	20.15	20.23	20.43		
Channel				35625	36010	36430	36915		
Frequency (MHz)				3562.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.38	22.23	22.28	22.31	24	0
5	QPSK	1	12	22.33	22.36	22.32	22.36		
5	QPSK	1	24	22.51	22.21	22.32	22.32		
5	QPSK	12	0	21.85	21.84	21.89	21.74		
5	QPSK	12	7	21.88	21.95	21.90	21.88	23	1
5	QPSK	12	13	21.83	21.80	21.85	21.82		
5	QPSK	25	0	21.96	21.89	21.87	21.76		
5	16QAM	1	0	22.12	22.10	22.08	22.05		
5	16QAM	1	12	22.05	22.00	22.02	22.07	23	1
5	16QAM	1	24	22.11	22.04	22.06	22.19		
5	16QAM	12	0	21.11	21.04	21.06	21.02		
5	16QAM	12	7	21.23	21.17	21.17	21.13		
5	16QAM	12	13	21.13	21.03	21.03	21.07	22	2
5	16QAM	25	0	21.22	21.06	21.06	21.03		
5	64QAM	1	0	20.93	21.01	21.01	21.11		
5	64QAM	1	12	20.79	20.96	21.01	21.05		
5	64QAM	1	24	20.98	20.76	20.73	20.73	21	3
5	64QAM	12	0	20.25	20.20	20.20	20.21		
5	64QAM	12	7	20.28	20.42	20.42	20.32		
5	64QAM	12	13	20.09	20.11	20.11	20.01		
5	64QAM	25	0	20.41	20.20	20.20	20.19		

WWAN Down Power

DSI3&7_Ant 1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	25.03	24.69	24.72	26.00	16.03	15.69	15.72	17.00
GPRS 1 Tx slot	25.02	24.68	24.70	26.00	16.02	15.68	15.70	17.00
GPRS 2 Tx slots	21.71	21.36	21.33	23.00	15.71	15.36	15.33	17.00
GPRS 3 Tx slots	19.99	20.04	19.96	21.30	15.73	15.78	15.70	17.04
GPRS 4 Tx slots	18.83	18.37	18.64	20.00	15.83	15.37	15.64	17.00
EDGE 1 Tx slot	24.29	24.21	24.41	26.00	15.29	15.21	15.41	17.00
EDGE 2 Tx slots	21.06	21.16	21.21	23.00	15.06	15.16	15.21	17.00
EDGE 3 Tx slots	20.24	20.07	20.12	21.30	15.98	15.81	15.86	17.04
EDGE 4 Tx slots	18.94	18.83	18.82	20.00	15.94	15.83	15.82	17.00

Band		WCDMA II			Tune-up Limit (dBm)
TX Channel		9252	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	15.65	15.73	15.69	17.30
3GPP Rel 99	RMC 12.2Kbps	15.67	15.76	15.71	17.30
3GPP Rel 6	HSDPA Subtest-1	14.69	14.80	14.70	16.30
3GPP Rel 6	HSDPA Subtest-2	14.51	14.72	14.84	16.30
3GPP Rel 6	HSDPA Subtest-3	14.10	14.21	13.92	15.80
3GPP Rel 6	HSDPA Subtest-4	14.20	14.20	13.93	15.80
3GPP Rel 8	DC-HSDPA Subtest-1	14.63	14.76	14.78	16.30
3GPP Rel 8	DC-HSDPA Subtest-2	14.55	14.66	14.72	16.30
3GPP Rel 8	DC-HSDPA Subtest-3	14.20	14.00	14.03	15.80
3GPP Rel 8	DC-HSDPA Subtest-4	14.09	13.92	14.03	15.80
3GPP Rel 6	HSUPA Subtest-1	14.74	14.80	14.78	16.30
3GPP Rel 6	HSUPA Subtest-2	12.53	12.83	13.00	14.30
3GPP Rel 6	HSUPA Subtest-3	13.50	13.78	13.89	15.30
3GPP Rel 6	HSUPA Subtest-4	12.63	12.89	12.84	14.30
3GPP Rel 6	HSUPA Subtest-5	14.47	14.85	14.79	16.30

DSI6_Ant 1

Band		WCDMA II			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	21.39	21.38	21.41	22.10
3GPP Rel 99	RMC 12.2Kbps	21.41	21.46	21.42	22.10
3GPP Rel 6	HSDPA Subtest-1	19.91	20.11	20.34	21.10
3GPP Rel 6	HSDPA Subtest-2	19.87	19.94	20.25	21.10
3GPP Rel 6	HSDPA Subtest-3	19.29	19.24	19.40	20.60
3GPP Rel 6	HSDPA Subtest-4	19.11	19.48	19.57	20.60
3GPP Rel 6	DC-HSDPA Subtest-1	20.04	20.16	20.31	21.10
3GPP Rel 6	DC-HSDPA Subtest-2	19.78	19.84	20.25	21.10
3GPP Rel 6	DC-HSDPA Subtest-3	19.06	19.14	19.33	20.60
3GPP Rel 6	DC-HSDPA Subtest-4	19.29	19.18	19.26	20.60
3GPP Rel 6	HSUPA Subtest-1	20.02	20.29	20.23	21.10
3GPP Rel 6	HSUPA Subtest-2	18.17	18.26	18.28	19.10
3GPP Rel 6	HSUPA Subtest-3	19.11	19.13	19.52	20.10
3GPP Rel 6	HSUPA Subtest-4	18.12	18.36	18.30	19.10
3GPP Rel 6	HSUPA Subtest-5	19.92	20.15	20.38	21.10

Band 2 (1900MHz Band) Part 24E										Band 4 (AWS Band) Part 27 (only on channel required)										Band 7 (2600MHz Band) Part 27										Band 66									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Power High Ch	Power Low Ch / Power High Ch	Power Low Ch / Power High Ch	Turn-up time (min)	MPR (dB)		BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Power High Ch	Power Low Ch / Power High Ch	Power Low Ch / Power High Ch	Turn-up time (min)	MPR (dB)		BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Power High Ch	Power Low Ch / Power High Ch	Power Low Ch / Power High Ch	Turn-up time (min)	MPR (dB)		BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Power High Ch	Power Low Ch / Power High Ch	Power Low Ch / Power High Ch	Turn-up time (min)	MPR (dB)	
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	15.85	15.82	15.86				20	QPSK	1	0	17.08	17.03	17.13					20	QPSK	1	0	15.46	15.30	15.45				20	QPSK	1	0	17.38	17.37	17.38		
20	QPSK	1	49	15.62	15.57	15.62				20	QPSK	1	49	16.96	16.86	17.04					20	QPSK	1	49	15.42	15.32	15.42	16.9	0		20	QPSK	1	49	17.17	17.05	17.15	18.1	0
20	QPSK	1	99	15.37	15.32	15.37				20	QPSK	1	99	16.73	16.63	16.73					20	QPSK	1	99	15.37	15.27	15.37	16.9	0		20	QPSK	1	99	17.12	17.02	17.12	18.1	0
20	QPSK	50	0	15.72	15.62	15.67				20	QPSK	50	0	16.90	17.02	16.54					20	QPSK	50	0	15.31	15.21	15.27	16.9	0		20	QPSK	50	0	17.03	16.93	16.70	18.1	0
20	QPSK	50	24	15.73	15.65	15.71				20	QPSK	50	24	16.87	16.87	16.84					20	QPSK	50	24	15.37	15.40	15.27	16.9	0		20	QPSK	50	24	17.04	16.97	16.77	18.1	0
20	QPSK	100	0	15.71	15.72	15.71				20	QPSK	100	0	16.86	16.86	16.88					20	QPSK	100	0	15.29	15.45	15.30	16.9	0		20	QPSK	100	0	17.02	16.92	16.75	18.1	0
20	HQAM	1	0	15.55	15.51	15.52				20	HQAM	1	0	17.03	17.13	16.58					20	HQAM	1	0	15.48	15.48	15.41	16.9	0		20	HQAM	1	0	17.13	17.26	17.02	18.1	0
20	HQAM	1	49	15.60	15.58	15.59				20	HQAM	1	49	17.04	16.96	16.73					20	HQAM	1	49	15.42	15.38	15.31	16.9	0		20	HQAM	1	49	17.21	17.14	16.92	18.1	0
20	HQAM	1	99	15.35	15.38	15.34				20	HQAM	1	99	16.74	16.71	16.76					20	HQAM	1	99	15.42	15.31	15.31	16.9	0		20	HQAM	1	99	17.15	17.09	16.87	18.1	0
20	HQAM	50	0	15.72	15.66	15.68				20	HQAM	50	0	16.91	16.92	16.72					20	HQAM	50	0	15.38	15.37	15.27	16.9	0		20	HQAM	50	0	17.02	16.97	16.75	18.1	0
20	HQAM	50	24	15.74	15.63	15.71				20	HQAM	50	24	16.90	16.84	16.83					20	HQAM	50	24	15.42	15.41	15.30	16.9	0		20	HQAM	50	24	17.09	17.00	16.87	18.1	0
20	HQAM	100	0	15.65	15.64	15.70				20	HQAM	100	0	16.86	16.79	16.82					20	HQAM	100	0	15.40	15.39	15.29	16.9	0		20	HQAM	100	0	17.05	16.92	16.77	18.1	0
20	HQAM	100	0	15.68	15.58	15.72				20	HQAM	100	0	16.93	16.84	16.83					20	HQAM	100	0	15.24	15.38	15.30	16.9	0		20	HQAM	100	0	17.04	16.97	16.79	18.1	0
20	HQAM	1	0	15.61	15.75	15.84				20	HQAM	1	0	17.04	17.03	16.87					20	HQAM	1	0	15.36	15.38	15.32	16.9	0		20	HQAM	1	0	17.15	17.20	16.98	18.1	0
20	HQAM	1	49	15.63	15.62	15.63				20	HQAM	1	49	16.99	16.91	16.89					20	HQAM	1	49	15.37	15.36	15.32	16.9	0		20	HQAM	1	49	17.12	17.07	16.87	18.1	0
20	HQAM	1	99	15.51	15.70	15.89				20	HQAM	1	99	16.95	16.81	16.82					20	HQAM	1	99	15.39	15.31	15.31	16.9	0		20	HQAM	1	99	17.17	17.04	16.81	18.1	0
20	HQAM	50	0	15.70	15.65	15.66				20	HQAM	50	0	16.91	16.84	16.87					20	HQAM	50	0	15.44	15.40	15.27	16.9	0		20	HQAM	50	0	17.03	16.96	16.74	18.1	0
20	HQAM	50	24	15.71	15.63	15.70				20	HQAM	50	24	16.88	16.87	16.88					20	HQAM	50	24	15.37	15.39	15.30	16.9	0		20	HQAM	50	24	17.05	16.99	16.78	18.1	0
20	HQAM	100	0	15.60	15.61	15.76				20	HQAM	100	0	16.90	16.74	16.87					20	HQAM	100	0	15.39	15.36	15.29	16.9	0		20	HQAM	100	0	17.03	16.90	16.74	18.1	0
20	HQAM	100	0	15.71	15.58	15.70				20	HQAM	100	0	16.87	16.81	16.69					20	HQAM	100	0	15.23	15.30	15.21	16.9	0		20	HQAM	100	0	17.05	16.99	16.81	18.1	0
Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	15.63	15.60	15.62				15	QPSK	1	0	16.98	17.05	17.07					15	QPSK	1	0	15.57	15.43	15.42	16.9	0		15	QPSK	1	0	17.17	17.15	17.12	18.1	0
15	QPSK	1	37	15.67	15.62	15.70				15	QPSK	1	37	16.97	16.90	16.98					15	QPSK	1	37	15.47	15.36	15.48	16.9	0		15	QPSK	1	37	17.17	17.09	16.84	18.1	0
15	QPSK	1	74	15.67	15.63	15.68				15	QPSK	1	74	16.84	16.76	16.85					15	QPSK	1	74	15.47	15.36	15.37	16.9	0		15	QPSK	1	74	17.00	16.88	16.84	18.1	0
15	QPSK	36	0	15.66	15.66	15.71				15	QPSK	36	0	16.71	16.66	16.58					15	QPSK	36	0	15.28	15.11	15.37	16.9	0		15	QPSK	36	0	16.88	16.84	16.58	18.1	0
15	QPSK	36	20	15.70	15.64	15.72				15	QPSK	36	20	16.80	16.72	16.81					15	QPSK	36	20	15.36	15.36	15.31	16.9	0		15	QPSK	36	20	16.96	16.83	16.63	18.1	0
15	QPSK	36	40	15.66	15.67	15.76				15	QPSK	36	40	16.83	16.69	16.69					15	QPSK	36	40	15.36	15.39	15.25	16.9	0		15	QPSK	36	40	16.87	16.80	16.63	18.1	0
15	QPSK	75	0	15.69	15.60	15.74				15	QPSK	75	0	16.74	16.66	16.48					15	QPSK	75	0	15.34	15.28	15.18	16.9	0		15	QPSK	75	0	16.86	16.83	16.63	18.1	0
15	HQAM	1	0	15.56	15.52	15.54				15	HQAM	1	0	17.04	17.05	16.87					15	HQAM	1	0	15.54	15.38	15.51	16.9	0		15	HQAM	1	0	17.15	17.12	17.01	18.1	0
15	HQAM	1	37	15.61	15.61	15.66				15	HQAM	1	37	16.90	16.74	16.74					15	HQAM	1	37	15.44	15.34	15.45	16.9	0		15	HQAM	1	37	17.09	16.98	16.87	18.1	0
15	HQAM	1	74	15.61	15.63	15.65				15	HQAM	1	74	16.88	16.84	16.69					15	HQAM	1	74	15.48	15.36	15.45	16.9	0		15	HQAM	1	74	17.07	16.97	16.81	18.1	0
15	HQAM	36	0	15.65	15.66	15.71				15	HQAM	36	0	16.72	16.66	16.49					15	HQAM	36	0	15.50	15.26	15.34	16.9	0		15	HQAM	36	0	16.86	16.80	16.62	18.1	0
15	HQAM	36	20	15.71	15.62	15.74				15	HQAM	36	20	16.82	16.62	16.59					15	HQAM	36	20	15.40	15.41	15.25	16.9	0		15	HQAM	36	20	16.92	16.82	16.67	18.1	0
15	HQAM	36	39	15.62	15.63	15.78				15	HQAM	36	39	16.75	16.67	16.45					15	HQAM	36	39	15.29	15.32	15.42	16.9	0		15	HQAM	36	39	16.87	16.82	16.61	18.1	0
15	HQAM	75	0	15.70	15.63	15.72				15	HQAM	75	0	16.83	16.71	16.46					15	HQAM	75	0	15.39	15.34	15.24	16.9	0		15	HQAM	75	0	16.98	16.91	16.65	18.1	0
15	HQAM	1	0	15.63	15.60	15.65				15	HQAM	1	0	16.85	16.85	16.48					15	HQAM	1	0	15.40	15.38	15.34	16.9	0		15	HQAM	1	0	16.94	16.82	16.67	18.1	0
15	HQAM	1	37	15.73	15.78	15.84				15	HQAM	1	37	16.90	16.86	16.67					15	HQAM	1	37	15.40	15.19	15.14	16.9	0		15	HQAM	1	37	17.00	16.96	16.78	18.1	0
15	HQAM	1	74	15.65	15.69	15.60				15	HQAM	1	74	16.84	16.71	16.61					15	HQAM	1	74	15.48	15.14	15.32	16.9	0		15	HQAM	1	74	17.03	16.82	16.79	18.1	0
15	HQAM	36	0	15.64	15.63	15.63				15	HQAM	36	0	16.73	16.63	16.43					15	HQAM	36	0	15.37	15.36	15.35	16.9	0		15	HQAM	36	0	16.93	16.86	16.63	18.1	0
15	HQAM	36	20	15.70	15.61	15.72				15	HQAM	36	20	16.81	16.73	16.45					15	HQAM	36	20	15.38	15.27	15.23	16.9	0		15	HQAM	36	20	16.94	16.83	16.60	18.1	0
15	HQAM	36	39	15.64	15.64	15.77				15	HQAM	36	39	16.77	16.58	16.60					15	HQAM	36	39	15.38	15.21	15.33	16.9	0		15	HQAM	36	39					

Band 2 (1900MHz Band) Part 24E									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low MHz	Power High MHz	Power High Ch. 1600	Power High Ch. 1700	Turn-up Time (dBm)	MPE (dB)
Channel									
20	QPSK	1	0	20.70	20.77	20.65			
20	QPSK	1	49	20.56	20.59	20.66		21.8	0
20	QPSK	1	99	20.55	20.58	20.65			
20	QPSK	50	0	20.55	20.58	20.65			
20	QPSK	50	24	20.51	20.55	20.63		21.8	0
20	QPSK	50	50	20.26	20.25	20.39			
20	QPSK	50	24	20.30	20.35	20.34			
20	16QAM	1	0	20.54	20.55	20.52		21.8	0
20	16QAM	1	49	20.47	20.46	20.58			
20	16QAM	1	99	20.50	20.45	20.53			
20	16QAM	50	0	20.33	20.37	20.31			
20	16QAM	50	24	20.35	20.36	20.34		21.8	0
20	16QAM	50	50	20.30	20.29	20.40			
20	16QAM	100	0	20.33	20.24	20.31			
20	64QAM	1	0	20.44	20.40	20.51		21.8	0
20	64QAM	1	49	20.52	20.47	20.52			
20	64QAM	1	99	20.21	20.20	20.50			
20	64QAM	50	0	20.50	20.46	20.42			
20	64QAM	50	24	20.55	20.43	20.44			
20	64QAM	50	50	20.51	20.44	20.55		21	0.8
20	64QAM	100	0	20.35	20.34	20.39			
Channel									
Frequency (MHz)	1867.5	1868	1902.5	Turn-up Time (dBm)	MPE (dB)				
15	QPSK	1	0	20.25	20.30	20.24			
15	QPSK	1	37	20.20	20.19	20.26		21.8	0
15	QPSK	1	74	20.11	20.10	20.17			
15	QPSK	36	0	20.29	20.29	20.35			
15	QPSK	36	20	20.29	20.23	20.36		21.8	0
15	QPSK	36	56	20.26	20.27	20.35			
15	QPSK	75	0	20.35	20.23	20.35			
15	16QAM	1	0	20.64	20.50	20.58		21.8	0
15	16QAM	1	37	20.62	20.50	20.58			
15	16QAM	1	74	20.50	20.42	20.62			
15	16QAM	36	0	20.32	20.28	20.36		21.8	0
15	16QAM	36	20	20.31	20.28	20.44			
15	16QAM	75	0	20.34	20.24	20.36			
15	16QAM	1	0	20.31	20.26	20.54		21.8	0
15	16QAM	1	37	20.48	20.47	20.58			
15	16QAM	1	74	20.26	20.31	20.60			
15	16QAM	36	0	20.43	20.41	20.46		21	0.8
15	16QAM	36	20	20.34	20.34	20.39			
15	16QAM	36	56	20.33	20.30	20.31			
15	16QAM	75	0	20.23	20.40	20.29			
Channel									
Frequency (MHz)	1855	1868	1905	Turn-up Time (dBm)	MPE (dB)				
10	QPSK	1	0	20.41	20.39	20.49		21.8	0
10	QPSK	1	20	20.55	20.50	20.55			
10	QPSK	1	49	20.17	20.19	20.47			
10	QPSK	25	0	20.44	20.34	20.52		21.8	0
10	QPSK	25	12	20.45	20.33	20.52			
10	QPSK	25	37	20.36	20.30	20.35			
10	QPSK	50	0	20.41	20.34	20.48			
10	16QAM	1	0	20.71	20.66	20.68		21.8	0
10	16QAM	1	20	20.64	20.62	20.59			
10	16QAM	1	49	20.55	20.56	20.44			
10	16QAM	25	0	20.48	20.37	20.51		21.8	0
10	16QAM	25	12	20.48	20.38	20.50			
10	16QAM	25	37	20.37	20.38	20.54			
10	16QAM	50	0	20.48	20.36	20.50			
10	16QAM	50	12	20.48	20.48	20.62			
10	16QAM	1	20	20.52	20.48	20.65		21.8	0
10	16QAM	1	49	20.40	20.47	20.65			
10	16QAM	25	0	20.46	20.35	20.48			
10	16QAM	25	12	20.50	20.53	20.70		21	0.8
10	16QAM	25	37	20.77	20.44	20.55			
10	16QAM	50	0	20.49	20.38	20.44			
Channel									
Frequency (MHz)	1862.5	1869	1917.5	Turn-up Time (dBm)	MPE (dB)				
5	QPSK	1	0	20.37	20.32	20.49		21.8	0
5	QPSK	1	12	20.32	20.30	20.48			
5	QPSK	1	24	20.27	20.24	20.47			
5	QPSK	12	0	20.45	20.42	20.63		21.8	0
5	QPSK	12	12	20.44	20.42	20.59			
5	QPSK	12	13	20.35	20.31	20.53			
5	QPSK	25	0	20.59	20.54	20.56			
5	16QAM	1	0	20.71	20.65	20.68		21.8	0
5	16QAM	1	12	20.68	20.60	20.55			
5	16QAM	1	24	20.58	20.54	20.43			
5	16QAM	12	0	20.65	20.63	20.58		21.8	0
5	16QAM	12	7	20.45	20.43	20.59			
5	16QAM	12	13	20.36	20.36	20.49			
5	16QAM	25	0	20.62	20.58	20.54			
5	16QAM	1	12	20.68	20.59	20.54		21.8	0
5	16QAM	1	12	20.62	20.55	20.76			
5	16QAM	1	12	20.68	20.59	20.68			
5	16QAM	12	0	20.60	20.50	20.70			
5	16QAM	12	7	20.55	20.51	20.62		21	0.8
5	16QAM	12	13	20.45	20.47	20.61			
5	16QAM	25	0	20.52	20.44	20.55			
Channel									
Frequency (MHz)	1861.5	1869	1918.5	Turn-up Time (dBm)	MPE (dB)				
3	QPSK	1	0	20.23	20.23	20.47		21.8	0
3	QPSK	1	8	20.03	20.20	20.47			
3	QPSK	1	14	20.04	20.14	20.33			
3	QPSK	8	0	20.20	20.20	20.38		21.8	0
3	QPSK	8	4	20.21	20.39	20.55			
3	QPSK	8	7	20.55	20.25	20.50			
3	16QAM	1	0	20.45	20.34	20.52			
3	16QAM	1	0	20.44	20.50	20.43			
3	16QAM	1	8	20.43	20.45	20.75		21.8	0
3	16QAM	1	14	20.43	20.40	20.54			
3	16QAM	8	0	20.34	20.40	20.63			
3	16QAM	8	4	20.38	20.43	20.59		21.8	0
3	16QAM	8	7	20.34	20.39	20.51			
3	16QAM	15	0	20.36	20.33	20.50			
3	64QAM	1	0	20.59	20.55	20.68		21.8	0
3	64QAM	1	8	20.52	20.51	20.57			
3	64QAM	1	14	20.52	20.51	20.57			
3	64QAM	8	0	20.55	20.50	20.66			
3	64QAM	8	4	20.54	20.50	20.61		21	0.8
3	64QAM	8	7	20.49	20.50	20.51			
3	64QAM	15	0	20.45	20.41	20.55			
Channel									
Frequency (MHz)	1860.7	1869	1918.5	Turn-up Time (dBm)	MPE (dB)				
1.4	QPSK	1	0	20.28	20.23	20.43		21.8	0
1.4	QPSK	1	3	20.28	20.24	20.43			
1.4	QPSK	1	9	20.19	20.10	20.34			
1.4	QPSK	3	0	20.26	20.23	20.41			
1.4	QPSK	3	1	20.28	20.30	20.45			
1.4	QPSK	3	9	20.21	20.20	20.36		21.8	0
1.4	16QAM	1	0	20.55	20.51	20.48			
1.4	16QAM	1	0	20.58	20.59	20.76			
1.4	16QAM	1	3	20.66	20.60	20.75		21.8	0
1.4	16QAM	1	9	20.49	20.49	20.67			
1.4	16QAM	3	0	20.38	20.30	20.52			
1.4	16QAM	3	1	20.41	20.35	20.53			
1.4	16QAM	3	9	20.33	20.30	20.43		21.8	0
1.4	16QAM	1	0	20.40	20.39	20.49			
1.4	16QAM	1	0	20.50	20.47	20.58			
1.4	16QAM	1	3	20.65	20.60	20.64		21.8	0
1.4	16QAM	1	9	20.37	20.38	20.51			
1.4	16QAM	3	0	20.39	20.38	20.54			
1.4	16QAM	3	1	20.45	20.41	20.56			
1.4	16QAM	3	9	20.35	20.33	20.48		21	0.8
1.4	16QAM	9	0	20.35	20.32	20.43			

Band 4 (AWS Band) Part 27L (only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low MHz	Power High MHz	Power High Ch. 1600	Power High Ch. 1700	Turn-up Time (dB)	MPE (dB)
Channel									
20	QPSK	1	0	21.70	21.70	21.63			
20	QPSK	1	49	21.59	21.71	21.60		23.3	0
20	QPSK	1	99	21.55	21.47	21.64			
20	QPSK	50	0	21.58	21.60	21.63			
20	QPSK	50	24	21.61	21.61	21.37		23	0.3
20	QPSK	50	50	21.58	21.51	21.52			
20	QPSK	100	0	21.61	21.56	21.55			
20	16QAM	1	0	21.73	21.41	21.65		23	0.3
20	16QAM	1	49	21.63	21.74	21.46			
20	16QAM	1	99	21.76	21.52	21.61			
20	16QAM	50	0	20.67	20.65	20.41			
20	16QAM	50	24	20.73	20.67	20.44		22	1.3
20	16QAM	50	50	20.75	20.61	20.43			
20	16QAM	100	0	20.74	20.66	20.49			
20	64QAM	1	0	20.75	20.78	20.57		22	1.3
20	64QAM	1	49	20.77	20.77	20.54			
20	64QAM	1	99	20.80	20.56	20.53			
20	64QAM	50	0	20.71	20.69	20.37		21	2.3
20	64QAM	50	24	20.69	20.66	20.37			
20	64QAM	50	50	20.66	20.77	20.62			
20	64QAM	100	0	20.71	20.65	20.60			
Channel									
Frequency (MHz)				1711.5	1732.5	1747.5		Turn-up Time (dB)	MPE (dB)
15	QPSK	1	0	21.47	21.50	21.42.8			
15	QPSK	1	49	21.52	21.49	21.51		23.3	0
15	QPSK	1	94	21.47	21.50	21.47			
15	QPSK	36	0	21.56	21.53	21.28			
15	QPSK	36	24	21.62	21.62	21.28		23	0.3
15	QPSK	36	59	21.56	21.44	21.30			
15	QPSK	78	0	21.56	21.50	21.30			
15	16QAM	1	0	21.73	21.73	21.48		23	0.3
15	16QAM	1	74	21.79	21.61	21.48			
15	16QAM	36	0	20.73	20.61	20.38			
15	16QAM	36	24	20.79	20.68	20.25		22	1.3
15	16QAM	75	0	20.74	20.66	20.42			
15	16QAM	75	49	20.71	20.75	20.49			
15	16QAM	1	37	20.68	20.71	20.49		22	1.3
15	16QAM	1	74	20.72	20.60	20.53			
15	16QAM	1	99	20.82	20.66	20.49			
15	16QAM	36	20	20.69	20.54	20.50		21	2.3
15	16QAM	36	59	20.65	20.48	20.49			
15	64QAM	1	0	20.64	20.73	20.54			
Channel									
Frequency (MHz)				1697.5 <th>1697.5<th>1697.5<th></th><th>Turn-up Time (dB)</th><th>MPE (dB)</th></th></th>	1697.5 <th>1697.5<th></th><th>Turn-up Time (dB)</th><th>MPE (dB)</th></th>	1697.5 <th></th> <th>Turn-up Time (dB)</th> <th>MPE (dB)</th>		Turn-up Time (dB)	MPE (dB)
5	QPSK	1	0	21.53	21.53	21.34			
5	QPSK	1	25	21.58	21.48	21.37		23.3	0
5	QPSK	1	49	21.50	21.48	21.31			
5	QPSK	25	0	21.65	21.69	21.44			
5	QPSK	25	12	21.67	21.67	21.44		23	0.3
5	QPSK	25	25	21.65	21.55	21.49			
5	QPSK	50	0	21.70	21.63	21.34			
5	QPSK	50	24	21.68	21.65	21.34		23	0.3
5	QPSK	50	50	21.65	21.76	21.54			
5	16QAM	1	25	21.63	21.76	21.54		23	0.3
5	16QAM	1	49	21.66	21.69	21.53			
5	16QAM	25	0	20.77	20.75	20.52		22	1.3
5	16QAM	25	12	20.80	20.67	20.50			
5	16QAM	25	25	20.82	20.79	20.52			
5	16QAM	1	0	20.85	20.68	20.53			
5	16QAM	1	25	20.84	20.86	20.63		22	1.3
5	16QAM	1	49	20.86	20.86	20.63			
5	16QAM	25	0	20.34	20.33	20.30			
5	16QAM	25	12	20.39	20.34	20.44		21	2.3
5	16QAM	25	25	20.39	20.39	20.44			
5	64QAM	50	0	20.29	20.38	20.34			
Channel									
Frequency (MHz)				1697.5 <th>1707.5<th>1697.5<th></th><th>Turn-up Time (dB)</th><th>MPE (dB)</th></th></th>	1707.5 <th>1697.5<th></th><th>Turn-up Time (dB)</th><th>MPE (dB)</th></th>	1697.5 <th></th> <th>Turn-up Time (dB)</th> <th>MPE (dB)</th>		Turn-up Time (dB)	MPE (dB)
5	QPSK	1	0	21.53	21.51	21.38			
5	QPSK	1	52	21.52	21.40	21.41		23.3	0
5	QPSK	1	24	21.53	21.49	21.33			
5	QPSK	12	0	21.57	21.49	21.41			
5	QPSK	12	7	21.72	21.62	21.49		23	0.3
5	QPSK	12	13	21.60	21.69	21.39			
5	QPSK	12	26	21.57	21.44	21.41			
5	16QAM	1	0	21.78	21.78	21.70		23	0.3
5	16QAM	1	12	21.76	21.87	21.68			
5	16QAM	12	0	21.83	21.74	21.63			
5	16QAM	12	6	20.75	20.77	20.58		22	1.3
5	16QAM	12	7	20.77	20.75	20.62			
5	16QAM	12	13	20.76	20.76	20.57			
5	16QAM	1	0	20.88	20.88	20.67		22	1.3
5	16QAM	1	24	20.89	20.89	20.67			
5	16QAM	1	24	20.88	20.83	20.67			
5	16QAM	12	0	20.55	20.56	20.52		21	2.3
5	16QAM	12	6	20.56	20.56	20.52			
5	64QAM	12	13	20.51	20.47	20.61			
5	64QAM	25	0	20.50	20.49	20.50			
Channel									
Frequency (MHz)				1711.5 <th>1732.5<th>1733.5<th></th><th>Turn-up Time (dB)</th><th>MPE (dB)</th></th></th>	1732.5 <th>1733.5<th></th><th>Turn-up Time (dB)</th><th>MPE (dB)</th></th>	1733.5 <th></th> <th>Turn-up Time (dB)</th> <th>MPE (dB)</th>		Turn-up Time (dB)	MPE (dB)
3	QPSK	1	0	21.47	21.46	21.39			
3	QPSK	1	16	21.55	21.40	21.33		23.3	0
3	QPSK	1	24	21.57	21.49	21.33			
3	QPSK	8	0	21.76	21.72	21.50			
3	QPSK	8	4	21.79	21.72	21.51		23	0.3
3	QPSK	16	0	21.77	21.72	21.50			
3	16QAM	1	0	21.39	21.33	21.16			
3	16QAM	1	2	21.76	21.66	21.49		23	0.3
3	16QAM	1	14	21.36	21.33	21.10			
3	16QAM	8	0	20.63	20.60	20.44			
3	16QAM	8	4	20.64	20.64	20.43		22	1.3
3	16QAM	8	7	20.65	20.65	20.43			
3	16QAM	8	7	20.65	20.61	20.45			
3	16QAM	1	8	20.75	20.64	20.50		22	1.3
3	16QAM	1	14	20.63	20.63	20.52			
3	16QAM	8	0	20.33	20.33	20.32			
3	16QAM	8	4	20.39	20.30	20.32		21	2.3
3	64QAM	8	7	20.34	20.29	20.31			
3	64QAM	8	7	20.33	20.32	20.32			
Channel									
Frequency (MHz)				1697.5 <th>1707.5<th>1697.5<th></th><th>Turn-up Time (dB)</th><th>MPE (dB)</th></th></th>	1707.5 <th>1697.5<th></th><th>Turn-up Time (dB)</th><th>MPE (dB)</th></th>	1697.5 <th></th> <th>Turn-up Time (dB)</th> <th>MPE (dB)</th>		Turn-up Time (dB)	MPE (dB)
1.4	QPSK	1	0	21.42	21.44	21.37			
1.4	QPSK	1	9	21.52	21.47	21.31		23.3	0
1.4	QPSK	1	5	21.47	21.37	21.34			
1.4	QPSK	3	0	21.51	21.43	21.33			
1.4	QPSK	3	3	21.50	21.55	21.48		23.3	0
1.4	QPSK	3	3	21.50	21.44	21.40			
1.4	QPSK	6	0	21.49	21.56	21.41			
1.4	QPSK	6	3	21.49	21.79	21.61		23.3	0
1.4	16QAM	1	5	21.87	21.87	21.64			
1.4	16QAM	1	5	21.75	21.87	21.61		23.3	0
1.4	16QAM	3	0	21.76	21.76	21.58			
1.4	16QAM	3	3	21.65	21.68	21.48			
1.4	16QAM	3	3	21.56	21.54	21.37		22	1.3
1.4	16QAM	6	0	20.69	20.64	20.54			
1.4	16QAM	1	5	20.78	20.71	20.62			
1.4	16QAM	3	0	20.81	20.81	20.61		22	1.3
1.4	16QAM	3	3	20.71	20.69	20.54			
1.4	16QAM	6	0	20.78	20.78	20.58			
1.4	64QAM	6	0	20.33	20.29	20.31		21	2.3

DSI2_Ant 2

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.66	27.84	27.99	28.20	18.66	18.84	18.99	19.20
GPRS 1 Tx slot	27.76	27.88	28.00	28.20	18.76	18.88	19.00	19.20
GPRS 2 Tx slots	24.65	24.66	24.27	25.20	18.65	18.66	18.27	19.20
GPRS 3 Tx slots	22.43	22.49	22.24	23.50	18.17	18.23	17.98	19.24
GPRS 4 Tx slots	21.45	21.32	21.22	22.20	18.45	18.32	18.22	19.20
EDGE 1 Tx slot	24.04	24.12	24.34	24.50	15.04	15.12	15.34	15.50
EDGE 2 Tx slots	22.23	22.21	22.54	23.00	16.23	16.21	16.54	17.00
EDGE 3 Tx slots	21.33	21.34	21.22	22.00	17.07	17.08	16.96	17.74
EDGE 4 Tx slots	18.88	18.78	18.93	19.50	15.88	15.78	15.93	16.50

Band		WCDMA II			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	17.57	17.60	17.60	18.70
3GPP Rel 99	RMC 12.2Kbps	17.58	17.68	17.63	18.70
3GPP Rel 6	HSDPA Subtest-1	16.54	16.75	16.60	17.70
3GPP Rel 6	HSDPA Subtest-2	16.43	16.74	16.76	17.70
3GPP Rel 6	HSDPA Subtest-3	16.06	16.16	16.07	17.20
3GPP Rel 6	HSDPA Subtest-4	16.16	16.17	16.03	17.20
3GPP Rel 8	DC-HSDPA Subtest-1	16.60	16.58	16.49	17.70
3GPP Rel 8	DC-HSDPA Subtest-2	16.75	16.83	16.52	17.70
3GPP Rel 8	DC-HSDPA Subtest-3	16.02	16.13	16.09	17.20
3GPP Rel 8	DC-HSDPA Subtest-4	16.07	16.01	16.13	17.20
3GPP Rel 6	HSUPA Subtest-1	16.29	16.65	16.56	17.70
3GPP Rel 6	HSUPA Subtest-2	14.85	14.86	15.09	15.70
3GPP Rel 6	HSUPA Subtest-3	15.94	15.89	16.04	16.70
3GPP Rel 6	HSUPA Subtest-4	14.96	14.91	15.20	15.70
3GPP Rel 6	HSUPA Subtest-5	16.31	16.66	16.81	17.70

DSI3&7_Ant 2

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	27.80	1850.2	1880	1909.8	18.80
Frequency (MHz)	1850.2	1880	1909.8	27.80	1850.2	1880	1909.8	18.80
GSM 1 Tx slot	27.78	27.55	27.86	27.80	18.78	18.55	18.86	18.80
GPRS 1 Tx slot	27.75	27.56	27.84	27.80	18.75	18.56	18.84	18.80
GPRS 2 Tx slots	24.54	24.65	24.19	24.80	18.54	18.65	18.19	18.80
GPRS 3 Tx slots	22.67	22.78	22.65	23.10	18.41	18.52	18.39	18.84
GPRS 4 Tx slots	21.34	21.36	21.23	21.80	18.34	18.36	18.23	18.80
EDGE 1 Tx slot	24.04	24.12	24.34	24.50	15.04	15.12	15.34	15.50
EDGE 2 Tx slots	22.23	22.21	22.54	23.00	16.23	16.21	16.54	17.00
EDGE 3 Tx slots	21.33	21.34	21.22	22.00	17.07	17.08	16.96	17.74
EDGE 4 Tx slots	18.88	18.78	18.93	19.50	15.88	15.78	15.93	16.50

Band		WCDMA II			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	15.76	15.69	15.61	16.50
3GPP Rel 99	RMC 12.2Kbps	15.77	15.78	15.68	16.50
3GPP Rel 6	HSDPA Subtest-1	14.63	14.53	14.68	15.50
3GPP Rel 6	HSDPA Subtest-2	14.66	14.56	14.64	15.50
3GPP Rel 6	HSDPA Subtest-3	14.12	14.09	14.22	15.00
3GPP Rel 6	HSDPA Subtest-4	14.05	14.06	14.23	15.00
3GPP Rel 8	DC-HSDPA Subtest-1	14.61	14.63	14.64	15.50
3GPP Rel 8	DC-HSDPA Subtest-2	14.77	14.60	14.63	15.50
3GPP Rel 8	DC-HSDPA Subtest-3	14.18	14.23	14.02	15.00
3GPP Rel 8	DC-HSDPA Subtest-4	14.13	14.19	14.04	15.00
3GPP Rel 6	HSUPA Subtest-1	14.88	14.65	14.81	15.50
3GPP Rel 6	HSUPA Subtest-2	12.68	12.62	12.75	13.50
3GPP Rel 6	HSUPA Subtest-3	13.77	13.64	13.63	14.50
3GPP Rel 6	HSUPA Subtest-4	12.78	12.60	12.58	13.50
3GPP Rel 6	HSUPA Subtest-5	14.75	14.68	14.74	15.50

DSI6_Ant 2

Band		WCDMA II			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (Mhz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	19.19	19.27	19.26	20.60
3GPP Rel 99	RMC 12.2Kbps	19.17	19.28	19.17	20.60
3GPP Rel 6	HSDPA Subtest-1	18.02	18.11	18.28	19.60
3GPP Rel 6	HSDPA Subtest-2	17.81	18.01	18.10	19.60
3GPP Rel 6	HSDPA Subtest-3	17.45	17.53	17.65	19.10
3GPP Rel 6	HSDPA Subtest-4	17.56	17.49	17.55	19.10
3GPP Rel 6	DC-HSDPA Subtest-1	17.96	18.14	18.11	19.60
3GPP Rel 6	DC-HSDPA Subtest-2	17.79	18.19	18.23	19.60
3GPP Rel 6	DC-HSDPA Subtest-3	17.35	17.45	17.48	19.10
3GPP Rel 6	DC-HSDPA Subtest-4	17.52	17.47	17.46	19.10
3GPP Rel 6	HSUPA Subtest-1	18.09	18.21	18.13	19.60
3GPP Rel 6	HSUPA Subtest-2	16.07	16.21	16.44	17.60
3GPP Rel 6	HSUPA Subtest-3	17.13	17.26	17.45	18.60
3GPP Rel 6	HSUPA Subtest-4	16.23	16.35	16.61	17.60
3GPP Rel 6	HSUPA Subtest-5	17.89	18.09	18.25	19.60

DS2, Ant 2

Band 2 (1900MHz Band) Part 24E										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Turn-up Time (s)	MPR (dB)			
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.68	17.33	17.65				
20	QPSK	1	49	17.63	17.77	17.56	19	0		
20	QPSK	1	99	17.77	17.65	17.55				
20	QPSK	50	0	17.48	17.58	17.55				
20	QPSK	50	24	17.60	17.48	17.52				
20	QPSK	50	50	17.54	17.49	17.58	19	0		
20	QPSK	100	0	17.55	17.51	17.55				
20	16QAM	1	0	17.50	17.79	17.64				
20	16QAM	1	49	17.70	17.76	17.58	19	0		
20	16QAM	1	99	17.50	17.52	17.52				
20	16QAM	50	0	17.50	17.51	17.53				
20	16QAM	50	24	17.67	17.53	17.51	19	0		
20	16QAM	50	50	17.55	17.51	17.55				
20	16QAM	100	0	17.51	17.45	17.48				
20	64QAM	1	0	17.59	17.62	17.55	19	0		
20	64QAM	1	49	17.55	17.37	17.31				
20	64QAM	1	99	17.48	17.47	17.44				
20	64QAM	50	0	17.50	17.49	17.39				
20	64QAM	50	24	17.45	17.44	17.39				
20	64QAM	50	50	17.47	17.48	17.55	19	0		
20	64QAM	100	0	17.57	17.39	17.32				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.53	17.45	17.31				
15	QPSK	1	37	17.46	17.40	17.46	19	0		
15	QPSK	1	74	17.48	17.59	17.48				
15	QPSK	36	0	17.49	17.50	17.52				
15	QPSK	36	20	17.58	17.38	17.55	19	0		
15	QPSK	36	36	17.61	17.43	17.57				
15	QPSK	75	0	17.59	17.44	17.52				
15	16QAM	1	0	17.60	17.69	17.72				
15	16QAM	1	37	17.75	17.57	17.59	19	0		
15	16QAM	1	74	17.66	17.58	17.60				
15	16QAM	36	0	17.53	17.49	17.49				
15	16QAM	36	20	17.56	17.47	17.42	19	0		
15	16QAM	36	36	17.57	17.41	17.55				
15	16QAM	75	0	17.60	17.44	17.53				
15	64QAM	1	0	17.44	17.55	17.56				
15	64QAM	1	37	17.47	17.56	17.50	19	0		
15	64QAM	1	74	17.33	17.54	17.47				
15	64QAM	36	0	17.51	17.45	17.42				
15	64QAM	36	20	17.53	17.45	17.53	19	0		
15	64QAM	36	36	17.49	17.53	17.43				
15	64QAM	75	0	17.42	17.44	17.40				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.58	17.79	17.43	19	0		
10	QPSK	1	24	17.65	17.62	17.55				
10	QPSK	1	49	17.53	17.47	17.54				
10	QPSK	25	0	17.43	17.61	17.33				
10	QPSK	25	12	17.59	17.63	17.51	19	0		
10	QPSK	25	25	17.54	17.55	17.36				
10	QPSK	50	0	17.68	17.56	17.33				
10	16QAM	1	0	17.61	17.62	17.43				
10	16QAM	1	25	17.34	17.50	17.44	19	0		
10	16QAM	1	49	17.35	17.45	17.43				
10	16QAM	25	0	17.71	17.44	17.44				
10	16QAM	25	12	17.75	17.52	17.43	19	0		
10	16QAM	25	25	17.60	17.33	17.44				
10	16QAM	50	0	17.65	17.25	17.32				
10	64QAM	1	0	17.70	17.33	17.33				
10	64QAM	1	25	17.64	17.43	17.31	19	0		
10	64QAM	1	49	17.60	17.33	17.34				
10	64QAM	25	0	17.66	17.32	17.33				
10	64QAM	25	12	17.72	17.33	17.32	19	0		
10	64QAM	25	25	17.66	17.32	17.33				
10	64QAM	50	0	17.60	17.33	17.33				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.64	17.49	17.33	19	0		
5	QPSK	1	12	17.65	17.53	17.45				
5	QPSK	1	24	17.50	17.41	17.44				
5	QPSK	12	0	17.55	17.59	17.52				
5	QPSK	12	7	17.52	17.56	17.55	19	0		
5	QPSK	12	13	17.54	17.55	17.56				
5	QPSK	25	0	17.67	17.52	17.64				
5	16QAM	1	0	17.55	17.55	17.56				
5	16QAM	1	12	17.44	17.79	17.44	19	0		
5	16QAM	1	24	17.74	17.79	17.45				
5	16QAM	12	0	17.70	17.52	17.45				
5	16QAM	12	7	17.53	17.51	17.74	19	0		
5	16QAM	12	13	17.59	17.53	17.64				
5	16QAM	25	0	17.61	17.54	17.54				
5	64QAM	1	0	17.43	17.52	17.54	19	0		
5	64QAM	1	12	17.62	17.73	17.55				
5	64QAM	1	24	17.43	17.66	17.43				
5	64QAM	12	0	17.69	17.64	17.52				
5	64QAM	12	7	17.54	17.55	17.45	19	0		
5	64QAM	12	13	17.64	17.49	17.64				
5	64QAM	25	0	17.60	17.44	17.55				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.65	17.50	17.35	19	0		
3	QPSK	1	8	17.66	17.57	17.55				
3	QPSK	1	14	17.50	17.52	17.51				
3	QPSK	8	0	17.77	17.62	17.43	19	0		
3	QPSK	8	4	17.67	17.58	17.71				
3	QPSK	8	7	17.64	17.54	17.63				
3	QPSK	15	0	17.74	17.53	17.55				
3	16QAM	1	0	17.54	17.78	17.44	19	0		
3	16QAM	1	8	17.45	17.54	17.43				
3	16QAM	1	14	17.65	17.72	17.59				
3	16QAM	8	0	17.66	17.71	17.76				
3	16QAM	8	4	17.73	17.70	17.45	19	0		
3	16QAM	8	7	17.70	17.59	17.43				
3	16QAM	15	0	17.77	17.61	17.67				
3	64QAM	1	0	17.54	17.74	17.54	19	0		
3	64QAM	1	8	17.70	17.59	17.45				
3	64QAM	1	14	17.75	17.51	17.69				
3	64QAM	8	0	17.75	17.70	17.54	19	0		
3	64QAM	8	4	17.41	17.65	17.72				
3	64QAM	8	7	17.45	17.55	17.71				
3	64QAM	15	0	17.67	17.56	17.54				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.52	17.50	17.59	19	0		
1.4	QPSK	1	3	17.52	17.55	17.59				
1.4	QPSK	1	5	17.46	17.43	17.46				
1.4	QPSK	3	0	17.61	17.61	17.63				
1.4	QPSK	3	1	17.61	17.52	17.62	19	0		
1.4	QPSK	3	3	17.57	17.47	17.64				
1.4	QPSK	6	0	17.60	17.58	17.67	19	0		
1.4	16QAM	1	0	17.79	17.65	17.55				
1.4	16QAM	1	3	17.79	17.68	17.45	19	0		
1.4	16QAM	1	5	17.76	17.69	17.66				
1.4	16QAM	3	0	17.71	17.56	17.69				
1.4	16QAM	3	1	17.79	17.63	17.75	19	0		
1.4	16QAM	3	3	17.66	17.50	17.70				
1.4	16QAM	6	0	17.68	17.65	17.75	19	0		
1.4	64QAM	1	0	17.44	17.73	17.54				
1.4	64QAM	1	3	17.47	17.75	17.58				
1.4	64QAM	1	5	17.63	17.55	17.71	19	0		
1.4	64QAM	3	0	17.69	17.41	17.54				
1.4	64QAM	3	1	17.77	17.44	17.54				
1.4	64QAM	3	3	17.68	17.44	17.58				
1.4	64QAM	6	0	17.67	17.43	17.55	19	0		

Band 4 (AWS Band) Part 27L (only on channel required)										
BW (MHz)	Modulation	RIS size	RIS Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Turn-up Time (s)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.51	17.73	16.53				
20	QPSK	1	49	16.63	16.35	16.38	18.1	0		
20	QPSK	1	99	16.61	16.54	16.51				
20	QPSK	50	0	16.43	16.54	16.57				
20	QPSK	50	24	16.53	16.42	16.26				
20	QPSK	100	0	16.42	16.44	16.44				
20	QPSK	1	0	16.66	16.70	16.59				
20	QPSK	1	49	16.64	16.54	16.59	18.1	0		
20	QPSK	1	99	16.61	16.52	16.56				
20	QPSK	50	0	16.41	16.42	16.31				
20	QPSK	50	24	16.54	16.40	16.10				
20	QPSK	100	0	16.37	16.46	16.30	18.1	0		
20	QPSK	100	0	16.52	16.39	16.40				
20	QPSK	1	0	16.20	16.22	16.12				
20	QPSK	1	49	16.27	16.15	16.15	18.1	0		
20	QPSK	1	99	16.33	16.16	16.16				
20	QPSK	50	0	16.37	16.31	16.16				
20	QPSK	50	24	16.49	16.32	16.16				
20	QPSK	100	0	16.44	16.48	16.38	18.1	0		
20	QPSK	100	0	16.43	16.43	16.20				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.33	16.31	16.17			MPR (dB)	
15	QPSK	1	49	16.41	16.39	16.28	18.1	0		
15	QPSK	1	99	16.27	16.34	16.27				
15	QPSK	36	0	16.48	16.34	16.26				
15	QPSK	36	24	16.50	16.41	16.42				
15	QPSK	36	49	16.49	16.43	16.38	18.1	0		
15	QPSK	72	0	16.43	16.48	16.22				
15	QPSK	1	0	16.61	16.60	16.47				
15	QPSK	1	49	16.67	16.53	16.53	18.1	0		
15	QPSK	1	99	16.64	16.53	16.61				
15	QPSK	36	0	16.52	16.43	16.21				
15	QPSK	36	24	16.62	16.53	16.52				
15	QPSK	36	49	16.61	16.53	16.52	18.1	0		
15	QPSK	72	0	16.47	16.53	16.25				
15	QPSK	72	24	16.58	16.48	16.48				
15	QPSK	144	0	16.43	16.49	16.20				
15	QPSK	1	74	16.18	16.48	16.20				
15	QPSK	1	99	16.20	16.48	16.20	18.1	0		
15	QPSK	36	0	16.51	16.28	16.37				
15	QPSK	36	24	16.39	16.13	16.32				
15	QPSK	36	49	16.33	16.13	16.32	18.1	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.55	16.60	16.47			MPR (dB)	
10	QPSK	1	49	16.54	16.59	16.47	18.1	0		
10	QPSK	1	99	16.52	16.60	16.42				
10	QPSK	25	0	16.62	16.60	16.42				
10	QPSK	25	24	16.59	16.55	16.42	18.1	0		
10	QPSK	25	25	16.50	16.61	16.33				
10	QPSK	50	0	16.39	16.53	16.33				
10	QPSK	50	24	16.44	16.43	16.33				
10	QPSK	100	0	16.44	16.43	16.33				
10	QPSK	1	25	16.54	16.72	16.51				
10	QPSK	1	49	16.64	16.54	16.42	18.1	0		
10	QPSK	1	99	16.62	16.65	16.44				
10	QPSK	25	12	16.57	16.52	16.53				
10	QPSK	25	25	16.57	16.64	16.58				
10	QPSK	50	0	16.44	16.70	16.42				
10	QPSK	1	0	16.47	16.63	16.47				
10	QPSK	1	25	16.48	16.61	16.47	18.1	0		
10	QPSK	1	49	16.64	16.58	16.47				
10	QPSK	25	0	16.62	16.31	16.47				
10	QPSK	25	12	16.28	16.44	16.33				
10	QPSK	25	25	16.60	16.60	16.33	18.1	0		
10	QPSK	50	0	16.48	16.49	16.10				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.59	17.22	16.52			MPR (dB)	
5	QPSK	1	12	16.39	16.42	16.44	18.1	0		
5	QPSK	1	24	16.48	16.48	16.39				
5	QPSK	1	49	16.56	16.56	16.46				
5	QPSK	12	7	16.55	16.60	16.38				
5	QPSK	12	13	16.55	16.53	16.42				
5	QPSK	12	15	16.54	16.53	16.41				
5	QPSK	1	0	16.43	16.35	16.26				
5	QPSK	1	12	16.30	16.32	16.38	18.1	0		
5	QPSK	1	24	16.44	16.34	16.33				
5	QPSK	12	0	16.61	16.58	16.50				
5	QPSK	12	7	16.61	16.54	16.46				
5	QPSK	12	13	16.61	16.54	16.46	18.1	0		
5	QPSK	12	15	16.55	16.54	16.47				
5	QPSK	1	0	16.37	16.40	16.54				
5	QPSK	1	12	16.42	16.42	16.54	18.1	0		
5	QPSK	1	24	16.42	16.66	16.37				
5	QPSK	12	0	16.58	16.37	16.45				
5	QPSK	12	7	16.49	16.58	16.41				
5	QPSK	12	13	16.49	16.58	16.41	18.1	0		
5	QPSK	12	15	16.49	16.58	16.41				
5	QPSK	25	0	16.62	16.31	16.28				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.42	16.43	16.43			MPR (dB)	
3	QPSK	1	8	16.38	16.48	16.52	18.1	0		
3	QPSK	8	8	16.47	16.47	16.47				
3	QPSK	8	8	16.47	16.57	16.41				
3	QPSK	8	8	16.56	16.51	16.58				
3	QPSK	8	8	16.54	16.54	16.54	18.1	0		
3	QPSK	15	0	16.43	16.40	16.51				
3	QPSK	1	0	16.72	16.44	16.64				
3	QPSK	1	8	16.71	16.47	16.64	18.1	0		
3	QPSK	8	8	16.55	16.69	16.50				
3	QPSK	8	8	16.51	16.56	16.56	18.1	0		
3	QPSK	15	0	16.51	16.56	16.50				
3	QPSK	1	0	16.69	16.40	16.60				
3	QPSK	1	8	16.62	16.40	16.57	18.1	0		
3	QPSK	8	8	16.44	16.63	16.44				
3	QPSK	15	0	16.66	16.46	16.57				
3	QPSK	1	0	16.40	16.60	16.37				
3	QPSK	1	8	16.51	16.58	16.48	18.1	0		
3	QPSK	8	8	16.56	16.53	16.58				
3	QPSK	15	0	16.56	16.53	16.58				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.07	17.22	17.04			MPR (dB)	
1.4	QPSK	1	0	16.43	16.43	16.30				
1.4	QPSK	1	3	16.44	16.39	16.30	18.1	0		
1.4	QPSK	1	3	16.37	16.32	16.30				
1.4	QPSK	3	0	16.31	16.43	16.43				
1.4	QPSK	3	1	16.41	16.41	16.26				
1.4	QPSK	3	3	16.34	16.34	16.21	18.1	0		
1.4	QPSK	6	0	16.39	16.47	16.30				
1.4	QPSK	1	0	16.40	16.72	16.10	18.1	0		
1.4	QPSK	1	3	16.47	16.69	16.30				
1.4	QPSK	1	6	16.68	16.58	16.63				
1.4	QPSK	3	0	16.50	16.39	16.37				
1.4	QPSK	3	3	16.47	16.54	16.48	18.1	0		
1.4	QPSK	3	6	16.47	16.37	16.38				
1.4	QPSK	6	0	16.62	16.40	16.38				
1.4	QPSK	6	3	16.58	16.48	16.48	18.1	0		
1.4	QPSK	1	1	16.69	16.49	16.60				
1.4	QPSK	1	6	16.36	16.70	16.42	18.1	0		
1.4	QPSK	3	6	16.47	16.47	16.47				
1.4	QPSK	3	6	16.57	16.69	16.36				
1.4	QPSK	3	3	16.58	16.70	16.30	18.1	0		
1.4	QPSK	6	6	16.57	16.69	16.36				



DSB&7_Ant 2

Band 2 (1900MHz Band)															
Part 24E															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dB)	MPR (dB)	< Tune-up-2	> Tune-up-2	Ch. Duty ± 0.5				
Channel															
Frequency (MHz)															
20	QPSK	1	0	17.12	17.40	17.32			1.28	0.91					
20	QPSK	1	48	17.20	17.20	17.33	18.4	0	1.20	0.97	0.37				
20	QPSK	1	96	17.20	17.13	17.13			1.27	1.20					
20	QPSK	30	0	17.41	17.34	17.34			1.20	0.94					
20	QPSK	50	24	17.11	17.24	17.28	18.4	0	1.28	1.11	0.39				
20	QPSK	50	50	17.27	17.23	17.07			1.33	1.13					
20	QPSK	300	0	17.02	17.02	17.28			1.30	1.12	0.22				
20	QPSK	1	0	17.23	17.20	17.10			1.30	1.13					
20	QPSK	1	48	17.24	17.19	17.14	18.4	0	1.26	1.16	0.24				
20	QPSK	1	96	17.11	17.11	17.34			1.29	1.05					
20	QPSK	50	0	17.05	17.00	17.05			1.40	1.40					
20	QPSK	50	24	17.06	17.20	17.08	18.4	0	1.34	1.20	0.20				
20	QPSK	50	50	17.14	17.21	17.10			1.36	1.18					
20	QPSK	100	0	17.10	17.24	17.27			1.30	1.13	0.17				
20	QPSK	1	0	17.05	17.21	17.24			1.33	1.16					
20	QPSK	1	48	17.05	17.21	17.09	18.4	0	1.31	1.25	0.39				
20	QPSK	1	96	17.18	17.09	17.18			1.31	1.12					
20	QPSK	50	0	17.22	17.06	17.28			1.34	1.12					
20	QPSK	50	24	17.08	17.14	17.14			1.32	1.26	0.23				
20	QPSK	50	50	17.25	17.11	17.17	18.4	0	1.28	1.11					
20	QPSK	100	0	17.12	17.00	17.01			1.40	1.28	0.10				
Channel															
Frequency (MHz)															
15	QPSK	1	0	17.23	17.34	17.25			1.17	1.06					
15	QPSK	1	37	17.22	17.25	17.05	18.4	0	1.35	1.15	0.34				
15	QPSK	1	74	17.24	17.14	17.04			1.24	1.18					
15	QPSK	30	0	17.25	17.29	17.28			1.15	1.11					
15	QPSK	30	20	17.10	17.25	17.03	18.4	0	1.37	1.15	0.26				
15	QPSK	30	50	17.26	17.24	17.08			1.36	1.20					
15	QPSK	75	0	17.12	17.27	17.08			1.32	1.13	0.19				
15	QPSK	1	0	17.36	17.20	17.24			1.20	1.04					
15	QPSK	1	37	17.31	17.14	17.14	18.4	0	1.27	1.19	0.22				
15	QPSK	1	74	17.27	17.15	17.14			1.26	1.13					
15	QPSK	30	0	17.08	17.13	17.22			1.32	1.18					
15	QPSK	30	20	17.10	17.20	17.05	18.4	0	1.36	1.13	0.20				
15	QPSK	30	50	17.07	17.04	17.05			1.38	1.30					
15	QPSK	75	0	17.16	17.00	17.04			1.40	1.24	0.16				
15	QPSK	1	0	17.27	17.08	17.02			1.38	1.13					
15	QPSK	1	37	17.25	17.15	17.21	18.4	0	1.24	1.18	0.27				
15	QPSK	1	74	17.13	17.12	17.00			1.40	1.27					
15	QPSK	30	0	17.05	17.23	17.02			1.38	1.17					
15	QPSK	30	20	17.25	17.21	17.03	18.4	0	1.37	1.19	0.21				
15	QPSK	30	50	17.06	17.02	17.10			1.38	1.30					
15	QPSK	75	0	17.08	17.02	17.02			1.38	1.34	0.04				
Channel															
Frequency (MHz)															
10	QPSK	1	0	17.20	17.20	17.05			1.20	1.08					
10	QPSK	1	48	17.14	17.24	17.14	18.4	0	1.32	1.22	0.24				
10	QPSK	1	96	17.12	17.08	17.18			1.32	1.22					
10	QPSK	25	0	17.22	17.15	17.12			1.28	1.16					
10	QPSK	25	12	17.24	17.02	17.09	18.4	0	1.38	1.16	0.22				
10	QPSK	25	25	17.17	17.10	17.20			1.30	1.20					
10	QPSK	50	0	17.25	17.02	17.12			1.38	1.16	0.23				
10	QPSK	1	0	17.40	17.17	17.48			1.08	0.92					
10	QPSK	1	48	17.36	17.02	17.48	18.4	0	1.38	0.98	0.46				
10	QPSK	1	96	17.32	17.32	17.43			1.26	1.12					
10	QPSK	25	0	17.24	17.08	17.21			1.32	1.16					
10	QPSK	25	12	17.18	17.17	17.28	18.4	0	1.30	1.19	0.22				
10	QPSK	25	25	17.27	17.13	17.18			1.27	1.15					
10	QPSK	50	0	17.22	17.09	17.16			1.31	1.18	0.13				
10	QPSK	1	0	17.27	17.05	17.08			1.27	1.08					
10	QPSK	1	25	17.21	17.09	17.13	18.4	0	1.31	1.19	0.24				
10	QPSK	1	48	17.08	17.26	17.20			1.32	1.14					
10	QPSK	1	96	17.18	17.20	17.21			1.34	1.21					
10	QPSK	25	12	17.18	17.05	17.14	18.4	0	1.30	1.25	0.15				
10	QPSK	25	25	17.15	17.12	17.20			1.28	1.20					
10	QPSK	50	0	17.15	17.12	17.10			1.30	1.21	0.13				
Channel															
Frequency (MHz)															
5	QPSK	1	0	17.46	17.04	17.11			1.36	1.16					
5	QPSK	1	12	17.17	17.18	17.10	18.4	0	1.30	1.22	0.20				
5	QPSK	1	24	17.14	17.02	17.10			1.36	1.28					
5	QPSK	12	0	17.38	17.15	17.25			1.25	1.12					
5	QPSK	12	7	17.28	17.19	17.25	18.4	0	1.21	1.11	0.16				
5	QPSK	12	13	17.13	17.12	17.16			1.28	1.23					
5	QPSK	25	0	17.27	17.07	17.19			1.33	1.13	0.20				
5	QPSK	1	0	17.22	17.35	17.21			1.18	1.05					
5	QPSK	1	12	17.45	17.40	17.40	18.4	0	1.00	0.95	0.23				
5	QPSK	1	24	17.38	17.30	17.40			1.10	1.00					
5	QPSK	12	0	17.15	17.05	17.34			1.15	1.05					
5	QPSK	12	7	17.31	17.15	17.28	18.4	0	1.25	1.10	0.23				
5	QPSK	12	13	17.21	17.11	17.19			1.29	1.19					
5	QPSK	25	0	17.28	17.12	17.26			1.28	1.12	0.16				
5	QPSK	1	0	17.12	17.08	17.41	18.4	0	1.32	0.99	0.33				
5	QPSK	1	12	17.31	17.21	17.31			1.28	1.21					
5	QPSK	12	0	17.28	17.08	17.12			1.34	1.12					
5	QPSK	12	7	17.27	17.18	17.21	18.4	0	1.22	1.13	0.22				
5	QPSK	12	13	17.23	17.09	17.27			1.22	1.09					
5	QPSK	25	0	17.22	17.02	17.20			1.38	1.18	0.20				
Channel															
Frequency (MHz)															
3	QPSK	1	0	17.23	17.13	17.22			1.27	1.11					
3	QPSK	1	8	17.18	17.10	17.20	18.4	0	1.30	1.20	0.20				
3	QPSK	1	14	17.07	17.04	17.05			1.38	1.33					
3	QPSK	8	0	17.28	17.18	17.23			1.22	1.12					
3	QPSK	8	4	17.26	17.16	17.28	18.4	0	1.24	1.12	0.16				
3	QPSK	8	7	17.24	17.12	17.23			1.28	1.16					
3	QPSK	16	0	17.23	17.10	17.24			1.30	1.18	0.14				
3	QPSK	1	0	17.23	17.48	17.23			1.17	0.94					
3	QPSK	1	8	17.45	17.46	17.32	18.4	0	1.08	0.94	0.23				
3	QPSK	1	14	17.45	17.31	17.26			1.19	0.89					
3	QPSK	8	0	17.33	17.19	17.37			1.21	1.03					
3	QPSK	8	4	17.35	17.30	17.30	18.4	0	1.10	1.05	0.23				
3	QPSK	8	7	17.21	17.14	17.24			1.26	1.18					
3	QPSK	16	0	17.30	17.12	17.24			1.28	1.10	0.18				
3	QPSK	1	0	17.23	17.44	17.41			1.17	0.98					
3	QPSK	1	14	17.25	17.09	17.27	18.4	0	1.31	1.13	0.35				
3	QPSK	8	0	17.22	17.08	17.34			1.32	1.06					
3	QPSK	8	4	17.26	17.33	17.19	18.4	0	1.21	1.07	0.26				
3	QPSK	8	7	17.21	17.14	17.19			1.30	1.19					
3	QPSK	16	0	1											



DS16_Ant 2

Band 2 (1900MHz Band) Part 24E										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 18600	Power Middle Ch. Freq. 18700	Power High Ch. Freq. 18800	Tune-up freq. (dBm)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.40	20.52	20.52				
20	QPSK	1	49	20.33	20.38	20.33	21.3	0		
20	QPSK	1	99	20.34	20.23	20.21				
20	QPSK	50	0	20.30	20.30	20.30				
20	QPSK	50	24	20.08	20.02	20.05	21.3	0		
20	QPSK	50	50	20.09	20.02	20.12				
20	QPSK	100	0	20.10	20.10	20.10				
20	16QAM	1	0	20.27	20.25	20.29				
20	16QAM	1	49	20.30	20.29	20.12	21.3	0		
20	16QAM	1	99	20.11	20.26	20.17				
20	16QAM	50	0	19.62	19.94	19.76				
20	16QAM	50	24	19.70	19.88	19.82	21	0.3		
20	16QAM	50	50	19.66	19.83	19.91				
20	16QAM	100	0	19.72	19.97	19.88				
20	64QAM	1	0	19.85	19.86	19.76	21	0.3		
20	64QAM	1	49	19.44	19.45	19.35				
20	64QAM	1	99	19.90	19.94	19.93				
20	64QAM	50	0	19.08	19.10	19.04				
20	64QAM	50	24	19.04	19.05	19.02				
20	64QAM	50	50	19.11	19.05	19.15	20	1.3		
20	64QAM	100	0	19.16	19.06	19.07				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.87	19.80	19.82				
15	QPSK	1	37	19.94	19.88	20.01	21.3	0		
15	QPSK	1	74	20.00	19.80	19.89				
15	QPSK	36	0	20.03	20.04	20.09				
15	QPSK	36	20	20.13	19.97	20.03	21.3	0		
15	QPSK	36	36	20.17	19.93	20.15				
15	QPSK	75	0	20.12	19.97	19.94				
15	16QAM	1	0	20.27	20.28	20.15				
15	16QAM	1	37	20.17	20.21	20.29	21.3	0		
15	16QAM	1	74	20.26	20.27	20.26				
15	16QAM	36	0	19.38	19.26	19.23				
15	16QAM	36	20	19.36	19.26	19.21	21	0.3		
15	16QAM	36	36	19.32	19.26	19.28				
15	16QAM	75	0	19.41	19.20	19.24				
15	64QAM	1	0	19.52	19.35	19.39				
15	64QAM	1	37	19.43	19.37	19.43	21	0.3		
15	64QAM	1	74	19.34	19.47	19.36				
15	64QAM	36	0	19.15	19.08	19.15				
15	64QAM	36	20	19.16	19.07	19.05	20	1.3		
15	64QAM	36	36	19.08	19.05	19.16				
15	64QAM	75	0	18.96	19.03	19.04				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.97	19.90	19.85				
10	QPSK	1	25	20.13	20.07	20.08	21.3	0		
10	QPSK	1	49	20.13	19.94	19.97				
10	QPSK	25	0	20.19	20.07	20.16				
10	QPSK	25	12	20.20	20.00	20.21	21.3	0		
10	QPSK	25	25	20.12	20.11	20.14				
10	QPSK	50	0	20.09	20.08	20.19				
10	16QAM	1	0	20.40	20.33	20.12				
10	16QAM	1	24	20.37	20.31	20.33	21	0.3		
10	16QAM	25	0	19.44	19.30	19.33				
10	16QAM	25	12	19.26	19.28	19.35	21	0.3		
10	16QAM	25	25	19.26	19.28	19.35				
10	16QAM	50	0	19.33	19.17	19.42				
10	64QAM	1	0	19.45	19.45	19.39				
10	64QAM	1	25	19.46	19.46	19.38	21	0.3		
10	64QAM	1	49	19.43	19.28	19.53				
10	64QAM	25	0	19.13	19.03	19.16				
10	64QAM	25	12	19.03	19.06	19.15	20	1.3		
10	64QAM	25	25	19.05	19.05	19.13				
10	64QAM	50	0	19.10	19.03	19.14				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.05	19.98	20.07				
5	QPSK	1	12	20.00	19.97	20.08	21.3	0		
5	QPSK	1	24	19.94	19.88	20.01				
5	QPSK	12	0	20.19	20.05	20.20				
5	QPSK	12	7	20.19	20.04	20.12	21.3	0		
5	QPSK	12	13	20.07	20.00	20.16				
5	QPSK	25	0	20.09	20.00	20.07				
5	16QAM	1	0	20.38	20.31	20.21				
5	16QAM	1	12	20.30	20.29	20.35	21.3	0		
5	16QAM	1	24	20.42	20.35	20.32				
5	16QAM	12	0	19.33	19.34	19.34				
5	16QAM	12	7	19.38	19.25	19.30	21	0.3		
5	16QAM	12	13	19.27	19.19	19.36				
5	16QAM	25	0	19.34	19.25	19.34				
5	64QAM	1	0	19.74	19.55	19.43				
5	64QAM	1	12	19.67	19.53	19.51	21	0.3		
5	64QAM	1	24	19.60	19.45	19.75				
5	64QAM	12	0	19.15	19.02	19.52				
5	64QAM	12	7	19.17	19.06	19.41	20	1.3		
5	64QAM	12	13	19.07	18.97	19.28				
5	64QAM	25	0	19.19	19.15	19.16				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.14	20.02	20.15				
3	QPSK	1	8	20.14	20.10	20.09	21.3	0		
3	QPSK	1	14	20.01	20.02	20.02				
3	QPSK	8	0	20.21	20.04	20.28				
3	QPSK	8	4	20.22	20.08	20.12	21.3	0		
3	QPSK	8	7	20.09	20.03	20.06				
3	QPSK	15	0	20.18	20.06	20.14				
3	16QAM	1	0	20.37	20.41	20.31				
3	16QAM	1	8	20.45	20.33	20.47	21.3	0		
3	16QAM	1	14	20.27	20.39	20.33				
3	16QAM	8	0	19.48	19.34	19.54				
3	16QAM	8	4	19.49	19.42	19.48	21	0.3		
3	16QAM	8	7	19.38	19.37	19.38				
3	64QAM	1	0	19.46	19.45	19.43				
3	64QAM	8	0	19.53	19.06	19.94				
3	64QAM	8	4	19.26	19.19	19.56	20	1.3		
3	64QAM	8	7	19.23	19.03	19.56				
3	64QAM	15	0	19.16	19.04	19.05				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.03	19.98	19.99				
1.4	QPSK	1	3	20.01	19.97	20.08	21.3	0		
1.4	QPSK	3	0	20.07	19.97	20.04				
1.4	QPSK	3	1	20.01	19.99	20.12				
1.4	QPSK	6	0	20.05	20.00	20.13	21.3	0		
1.4	16QAM	1	0	20.23	20.10	20.32				
1.4	16QAM	1	3	20.32	20.36	20.43	21.3	0		
1.4	16QAM	12	0	20.17	20.08	20.27				
1.4	16QAM	3	0	20.10	19.99	20.13				
1.4	16QAM	3	1	20.05	20.16	20.21				
1.4	16QAM	6	0	19.33	19.36	19.39	21	0.3		
1.4	64QAM	1	0	19.50	19.58	19.45				
1.4	64QAM	3	0	19.45	19.57	19.32				
1.4	64QAM	1	5	19.44	19.19	19.44	21	0.3		
1.4	64QAM	3	0	19.43	19.43	19.37				
1.4	64QAM	3	1	19.46	19.43	19.30				
1.4	64QAM	3	3	19.38	19.36	19.30				
1.4	64QAM	6	0	19.17	19.03	19.16	20	1.3		

Band 4 (AWS Band) Part 27L (only on channel required)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 1720	Power Middle Ch. Freq. 1717.5	Power High Ch. Freq. 1714	Tune-up freq. (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.29	20.29	20.43						
20	QPSK	1	49	20.33	20.36	20.17	21.1	0				
20	QPSK	1	99	20.31	20.26	20.30						
20	QPSK	50	0	20.31	20.31	20.31						
20	QPSK	50	24	20.32	20.31	20.19	21.1	0				
20	QPSK	50	50	20.27	20.29	20.30						
20	QPSK	100	0	20.29	20.34	20.25						
20	16QAM	1	0	20.39	20.31	20.34						
20												

DSI3&7_Ant4

Band 48_FCC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Mod Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel				56340	56360	56380	56400		
Frequency (MHz)				56340	56360	56380	56400		
20	QPSK	1	0	19.63	19.65	19.70	19.53	20.5	0
20	QPSK	1	49	19.51	19.48	19.42	19.35		
20	QPSK	55	59	19.44	19.38	19.44	19.35		
20	QPSK	55	0	19.55	19.60	19.57	19.58		
20	QPSK	50	24	19.54	19.37	19.45	19.55	20.5	0
20	QPSK	50	50	19.55	19.54	19.42	19.36		
20	QPSK	100	0	19.34	19.38	19.41	19.35		
20	16QAM	1	0	19.35	19.40	19.42	19.37		
20	16QAM	1	49	19.35	19.35	19.43	19.37	20.5	0
20	16QAM	1	59	19.35	19.40	19.44	19.38		
20	16QAM	50	0	19.37	19.40	19.41	19.38		
20	16QAM	50	24	19.35	19.35	19.44	19.37		
20	16QAM	50	50	19.35	19.38	19.43	19.34	20.5	0
20	16QAM	100	0	19.35	19.38	19.43	19.35		
20	16QAM	1	0	19.34	19.35	19.42	19.37		
20	16QAM	1	49	19.33	19.38	19.43	19.34		
20	16QAM	1	59	19.34	19.38	19.44	19.38	20.5	0
20	16QAM	50	0	19.34	19.40	19.43	19.35		
20	16QAM	50	24	19.34	19.41	19.42	19.38		
20	16QAM	50	50	19.35	19.37	19.42	19.35		
20	16QAM	100	0	19.35	19.38	19.43	19.35		
Channel				56315	56320	56360	56400		
Frequency (MHz)				56315	56360	56400	56400	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.30	19.14	19.09	19.14	20.5	0
15	QPSK	1	37	19.30	19.08	19.12	19.07		
15	QPSK	1	74	19.33	19.08	19.11	19.10		
15	QPSK	86	0	19.43	19.25	19.16	19.17		
15	QPSK	86	20	19.45	19.22	19.17	19.16	20.5	0
15	QPSK	86	39	19.42	19.23	19.19	19.25		
15	QPSK	1	0	19.32	19.25	19.21	19.19		
15	16QAM	1	0	19.42	19.28	19.24	19.33		
15	16QAM	1	37	19.32	19.24	19.30	19.25	20.5	0
15	16QAM	1	74	19.32	19.23	19.32	19.31		
15	16QAM	86	0	19.43	19.25	19.19	19.14		
15	16QAM	86	20	19.35	19.22	19.16	19.16		
15	16QAM	86	39	19.40	19.23	19.28	19.28	20.5	0
15	16QAM	75	0	19.40	19.28	19.25	19.22		
15	16QAM	1	0	19.15	19.01	18.98	18.98		
15	16QAM	1	37	19.25	19.04	19.10	19.12		
15	16QAM	1	74	19.13	18.94	18.93	18.94	20.5	0
15	16QAM	25	0	19.42	19.03	19.06	19.13		
15	16QAM	86	20	19.45	19.15	19.18	19.18		
15	16QAM	86	39	19.45	19.03	19.07	19.10		
15	16QAM	75	0	19.21	19.21	19.19	19.24		
Channel				3657.5	3657.5	3642.5	3642.5		
Frequency (MHz)				3657.5	3657.5	3642.5	3642.5	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.35	19.35	19.39	19.36	20.5	0
10	QPSK	1	25	19.45	19.33	19.37	19.34		
10	QPSK	1	49	19.52	19.32	19.35	19.30		
10	QPSK	25	0	19.60	19.43	19.44	19.46		
10	QPSK	25	12	19.62	19.44	19.42	19.35	20.5	0
10	QPSK	25	25	19.65	19.46	19.48	19.42		
10	QPSK	50	0	19.60	19.44	19.51	19.34		
10	16QAM	1	0	19.39	19.55	19.60	19.55		
10	16QAM	1	25	19.67	19.53	19.58	19.52	20.5	0
10	16QAM	1	49	19.45	19.41	19.57	19.47		
10	16QAM	25	0	19.55	19.43	19.40	19.30		
10	16QAM	25	12	19.65	19.53	19.49	19.45		
10	16QAM	25	25	19.60	19.47	19.55	19.46	20.5	0
10	16QAM	50	0	19.60	19.50	19.57	19.44		
10	16QAM	1	0	19.43	19.31	19.39	19.35		
10	16QAM	1	25	19.43	19.33	19.32	19.20		
10	16QAM	1	49	19.45	19.23	19.30	19.23	20.5	0
10	16QAM	25	0	19.61	19.41	19.39	19.33		
10	16QAM	25	12	19.65	19.45	19.48	19.40		
10	16QAM	25	25	19.45	19.35	19.52	19.43		
10	16QAM	50	0	19.65	19.45	19.49	19.33		
Channel				3657.5	3657.5	3643	3643		
Frequency (MHz)				3657.5	3657.5	3643	3643	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.39	19.35	19.34	19.43	20.5	0
5	QPSK	1	49	19.45	19.42	19.35	19.42		
5	QPSK	1	24	19.43	19.36	19.40	19.34		
5	QPSK	12	0	19.43	19.46	19.45	19.44		
5	QPSK	12	7	19.39	19.47	19.50	19.45	20.5	0
5	QPSK	12	13	19.44	19.42	19.49	19.43		
5	QPSK	25	0	19.54	19.41	19.47	19.46		
5	16QAM	1	0	19.57	19.48	19.49	19.45		
5	16QAM	1	12	19.44	19.63	19.64	19.60	20.5	0
5	16QAM	1	24	19.43	19.58	19.61	19.57		
5	16QAM	12	0	19.53	19.44	19.40	19.45		
5	16QAM	12	7	19.55	19.40	19.45	19.46		
5	16QAM	12	13	19.53	19.44	19.47	19.39	20.5	0
5	16QAM	25	0	19.55	19.47	19.49	19.50		
5	16QAM	1	0	19.40	19.15	19.21	19.10		
5	16QAM	1	12	19.40	19.20	19.12	19.11		
5	16QAM	1	24	19.37	19.26	19.20	19.11	20.5	0
5	16QAM	12	0	19.57	19.47	19.45	19.47		
5	16QAM	12	7	19.58	19.40	19.59	19.53		
5	16QAM	12	13	19.45	19.31	19.58	19.51		
5	16QAM	25	0	19.52	19.42	19.57	19.54		



UL CA Power

Ant 1 Default power level /Pmax_ power level								
CA_5B								
Combination 10MHz+5MHz (50RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20522	QPSK	1	49	1	0	22.88	24.00
20525	20453	QPSK	1	0	1	24	22.67	24.00
20600	20528	QPSK	1	0	1	24	22.83	24.00

Ant 2 Default power level /Pmax_ power level								
CA_5B								
Combination 10MHz+5MHz (50RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20522	QPSK	1	49	1	0	22.32	24.00
20525	20453	QPSK	1	0	1	24	22.32	24.00
20600	20528	QPSK	1	0	1	24	22.20	24.00

Ant 1 Default power level /Pmax_ power level								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	23.22	24.00
132322	132124	QPSK	1	0	1	99	23.22	24.00
132572	132374	QPSK	1	0	1	99	23.12	24.00

Ant 1 DSI 3&7

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	17.28	18.10
132322	132124	QPSK	1	0	1	99	17.27	18.10
132572	132374	QPSK	1	0	1	99	17.33	18.10

Ant 1 DSI 6

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.16	23.30
132322	132124	QPSK	1	0	1	99	22.16	23.30
132572	132374	QPSK	1	0	1	99	22.09	23.30



Ant 2 Default power level /Pmax power level								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.98	23.00
132322	132124	QPSK	1	0	1	99	21.94	23.00
132572	132374	QPSK	1	0	1	99	21.76	23.00

Ant 1 Default power level /Pmax power level								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	23.01	24.00
132322	132229	QPSK	1	0	1	24	22.99	24.00
132597	132504	QPSK	1	0	1	24	22.98	24.00

Ant 2 Default power level /Pmax power level								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.55	23.00
132322	132229	QPSK	1	0	1	24	21.66	23.00
132597	132504	QPSK	1	0	1	24	21.54	23.00

Ant 2 DSI 3&7								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	17.03	18.50
132322	132124	QPSK	1	0	1	99	17.20	18.50
132572	132374	QPSK	1	0	1	99	17.02	18.50

Ant 1 DSI 3&7								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	17.11	18.10
132322	132229	QPSK	1	0	1	24	17.11	18.10
132597	132504	QPSK	1	0	1	24	17.13	18.10

Ant 2 DSI 3&7								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.82	18.50
132322	132229	QPSK	1	0	1	24	16.86	18.50
132597	132504	QPSK	1	0	1	24	16.85	18.50

Ant 2 DSI 6								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.48	21.10
132322	132124	QPSK	1	0	1	99	20.41	21.10
132572	132374	QPSK	1	0	1	99	20.25	21.10

Ant 1 DSI 6								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.93	23.30
132322	132229	QPSK	1	0	1	24	21.92	23.30
132597	132504	QPSK	1	0	1	24	22.00	23.30

Ant 2 DSI 6								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.22	21.10
132322	132229	QPSK	1	0	1	24	20.34	21.10
132597	132504	QPSK	1	0	1	24	20.36	21.10

Ant 2 DSI 2								
CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	16.94	18.10
132322	132124	QPSK	1	0	1	99	16.79	18.10
132572	132374	QPSK	1	0	1	99	16.66	18.10

Ant 2 DSI 2								
CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.44	18.10
132322	132229	QPSK	1	0	1	24	16.44	18.10
132597	132504	QPSK	1	0	1	24	16.48	18.10



DL CA Power

2CA DL

CA List	PCC									SCC					Power		
	LTE	Ant	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band		(MHz)	Freq.			Channel	RB		RB Offset	Band	(MHz)	Freq.		Channel	Tx. Power (dBm)	Tx. Power (dBm)
				(MHz)									(MHz)				
CA_4A-48A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	23.09	23.33	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	21.87	21.99	
	Band 48	4	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.45	22.57	

3CA DL

Configure	PCC									SCC1				SCC2				Power			
	LTE	Ant	BW	UL	UL	Mod.	UL/F	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band		(MHz)	Freq.	Channel		RB	RB Offset		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel		Tx Power (dBm)	Tx Power (dBm)
	(MHz)		(MHz)																		
CA_2A-4A-13A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		23.32	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		21.67	21.89
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	23.12	23.33
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	21.78	21.99
	Band 13	1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.12	23.28
CA_2A-5A-48A	Band 13	2	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.85	22.99
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	23.3	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	21.76	21.89
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.76	22.90
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.23	22.36
CA_2A-13A-48A	Band 48	4	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		22.54	22.57
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	23.32	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	21.65	21.89
	Band 13	1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.1	23.28
	Band 13	2	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.78	22.99
CA_2A-48A-66A	Band 48	4	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.45	22.57
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.32	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.76	21.89
	Band 48	4	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.51	22.57
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	23.32	23.35
CA_2A-48A-48A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	21.87	22.06
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	23.43	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	21.76	21.89
	Band 48	4	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.45	22.57
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	23.21	23.33
CA_4A-4A-13A	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	21.76	21.99
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.43	22.57
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		23.22	23.33
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		21.83	21.99
	Band 13	1	10M	782	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.11	23.28
CA_5A-48A-66A	Band 13	2	10M	782	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.94	22.99
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.67	22.90
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.32	22.36
	Band 48	4	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		22.34	22.57
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	23.33	23.35
CA_5A-48A-48A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	21.89	22.06
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	22.67	22.90
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	22.18	22.36
	Band 48	4	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	Band 5	10M	881.5	2525		22.45	22.57
	Band 13	1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.2	23.28
CA_13A-48A-66A	Band 13	2	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.87	22.99
	Band 48	4	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230		22.54	22.57
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	23.23	23.35
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	21.89	22.06
	Band 13	1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	23.2	23.28
CA_13A-48A-48A	Band 13	2	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	22.81	22.99
	Band 48	4	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	Band 13	10M	751	5230		22.45	22.57
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2209.2	67194	4x4MIMO	23.33	23.35
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2209.2	67194	4x4MIMO	21.89	22.06
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	23.21	23.35
CA_66A-66C	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	21.83	22.06



4CA DL

Configure	PCC								SCC1				SCC2				SCC3				Power			
	LTE	Ant	BW	UL	UL	Mod.	UL#	UL#	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	DL Antenna Diversity	With CA	Without CA	
	Band		Freq. (MHz)	Channel	RB		RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx Power (dBm)		Tx Power (dBm)		
CA_2A-2A-4A-4A	Band 2	1	20M	1880	1890	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	4xMIMO	23.34	23.51	
	Band 2	2	20M	1880	1890	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	4xMIMO	21.71	21.89	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMIMO	23.20	23.33	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMIMO	21.75	21.99	
CA_2A-2A-4A-5A	Band 2	1	20M	1880	1890	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525		23.34	23.51	
	Band 2	2	20M	1880	1890	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525		21.86	21.89	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMIMO	23.12	23.33	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMIMO	21.77	21.99	
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 2	20M	1590	900	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	4xMIMO	22.65	22.90	
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 2	20M	1590	900	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	4xMIMO	22.20	22.36	
CA_2A-2A-5A-6A	Band 2	1	20M	1880	1890	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 6	20M	2155	6688	4xMIMO	23.33	23.51	
	Band 2	2	20M	1880	1890	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 6	20M	2155	6688	4xMIMO	21.67	21.89	
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 6	20M	2155	6688	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMIMO	22.66	22.90	
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 6	20M	2155	6688	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMIMO	22.18	22.36	
	Band 6	1	20M	1745	1745	132322	QPSK	1	0	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525		23.30	23.35
	Band 6	2	20M	1745	1745	132322	QPSK	1	0	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525		21.98	22.06
CA_2A-2A-13A-6A	Band 2	1	20M	1880	1890	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 6	20M	2155	6688	4xMIMO	23.43	23.51	
	Band 2	2	20M	1880	1890	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230	Band 6	20M	2155	6688	4xMIMO	21.78	21.89	
	Band 13	1	10M	782	23230	QPSK	1	0	Band 6	20M	2155	6688	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMIMO	23.20	23.28	
	Band 13	2	10M	782	23230	QPSK	1	0	Band 6	20M	2155	6688	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMIMO	22.76	22.99	
	Band 6	1	20M	1745	1745	132322	QPSK	1	0	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525		23.21	23.35
	Band 6	2	20M	1745	1745	132322	QPSK	1	0	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525		21.89	22.06
CA_2A-4A-5B	Band 2	1	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	Band 5	5M	888.7	2597		23.33	23.51	
	Band 2	2	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	Band 5	5M	888.7	2597		21.78	21.89	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	Band 5	5M	888.7	2597		23.21	23.35	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	Band 5	5M	888.7	2597		21.78	21.99	
CA_2A-4A-6B	Band 2	1	20M	1880	1890	QPSK	1	0	Band 5	10M	881.5	2525	Band 6	20M	2155	6688	Band 6	5M	2197.5	67311	4xMIMO	22.76	22.90	
	Band 2	2	20M	1880	1890	QPSK	1	0	Band 5	10M	881.5	2525	Band 6	20M	2155	6688	Band 6	5M	2197.5	67311	4xMIMO	22.18	22.36	
	Band 6	1	20M	1745	1745	132322	QPSK	1	0	Band 6	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	23.15	23.35
	Band 6	2	20M	1745	1745	132322	QPSK	1	0	Band 6	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	21.83	22.06
	Band 6	1	20M	1745	1745	132322	QPSK	1	0	Band 6	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	23.20	23.36
	Band 6	2	20M	1745	1745	132322	QPSK	1	0	Band 6	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	21.83	22.06
CA_2A-5A-6A-6A	Band 2	1	20M	1880	1890	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525		23.30	23.51	
	Band 2	2	20M	1880	1890	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525		21.69	21.89	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	23.15	23.33	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	21.82	21.99	
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 2	20M	1880	900	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	4xMIMO	22.67	22.90	
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 2	20M	1880	900	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	4xMIMO	21.75	21.99	
CA_2A-5A-6B	Band 2	1	20M	1880	1890	QPSK	1	0	Band 5	10M	881.5	2525	Band 6	20M	2155	6688	Band 6	5M	2197.5	67311	4xMIMO	22.76	22.90	
	Band 2	2	20M	1880	1890	QPSK	1	0	Band 5	10M	881.5	2525	Band 6	20M	2155	6688	Band 6	5M	2197.5	67311	4xMIMO	22.18	22.36	
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 6	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	23.15	23.35	
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 6	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	21.83	22.06	
	Band 6	1	20M	1745	1745	132322	QPSK	1	0	Band 6	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	23.20	23.36
	Band 6	2	20M	1745	1745	132322	QPSK	1	0	Band 6	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 2	20M	1880	900	4xMIMO	21.83	22.06
CA_2A-5B-6A	Band 2	1	20M	1880	1890	QPSK	1	0	Band 5	10M	881.5	2525	Band 5	5M	888.7	2597	Band 6	20M	2155	6688	4xMIMO	23.43	23.51	
	Band 2	2	20M	1880	1890	QPSK	1	0	Band 5	10M	881.5	2525	Band 5	5M	888.7	2597	Band 6	20M	2155	6688	4xMIMO	21.78	21.89	
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 5	5M	888.7	2597	Band 6	20M	2155	6688	Band 2	20M	1880	900	4xMIMO	23.20	23.36	
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 5	5M	888.7	2597	Band 6	20M	2155	6688	Band 2	20M	1880	900	4xMIMO	22.67	22.90	
	Band 6	1	20M	1745	1745	132322	QPSK	1	0	Band 2	20M	1880	900	Band 5	10M	881.5	2525	Band 5	5M	888.7	2597		23.21	23.35
	Band 6	2	20M	1745	1745	132322	QPSK	1	0	Band 2	20M	1880	900	Band 5	10M	881.5	2525	Band 5	5M	888.7	2597		21.83	22.06
CA_2A-13A-6B	Band 2	1	20M	1880	1890	QPSK	1	0	Band 13	10M	751	5230	Band 6	19M	2155	6688	Band 6	5M	2164.3	66979	4xMIMO	23.33	23.51	
	Band 2	2	20M	1880	1890	QPSK	1	0	Band 13	10M	751	5230	Band 6	19M	2155	6688	Band 6	5M	2164.3	66979	4xMIMO	21.80	21.89	
	Band 13	1	10M	782	23230	QPSK	1	0	Band 6	19M	2155	6688	Band 6	5M	2164.3	66979	Band 2	20M	1880	900	4xMIMO	23.12	23.28	
	Band 13	2	10M	782	23230	QPSK	1	0	Band 6	19M	2155	6688	Band 6	5M	2164.3	66979	Band 2	20M	1880	900	4xMIMO	22.86	22.99	
	Band 6	1	15M	1745	1745	132322	QPSK	1	0	Band 6	5M	2164.3	66979	Band 2	20M	1880	900	Band 13	10M	751	5230		22.99	23.03
	Band 6	2	15M	1745	1745	132322	QPSK	1	0	Band 6	5M	2164.3	66979	Band 2	20M	1880	900	Band 13	10M	751	5230		21.65	21.84
CA_2A-13A-6C	Band 2	1	20M	1880	1890	QPSK	1	0	Band 13	10M	751	5230	Band 6	20M	2155	6688	Band 6	20M	2174.8	67084	4xMIMO	23.33	23.51	
	Band 6	1	20M	1745	1745	132322	QPSK	1	0	Band 6	20M	2174.8	67084	Band 2	20M	1880	900	Band 13	10M	751	5230		22.87	23.35
	Band 6	2	20M	1745	1745	132322	QPSK	1	0	Band 6	20M	2174.8	67084	Band 2	20M	1880	900	Band 13	10M	751	5230		21.67	21.89
	Band 13	1	10M	782	23230																			

CA_2A-13A-48C	Band 2	1	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	4xMMMO	23.29	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	4xMMMO	21.71	21.89
	Band 13	1	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	Band 2	20M	1880	900	4xMMMO	23.14	23.28
	Band 13	2	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	Band 2	20M	1880	900	4xMMMO	22.79	22.99
CA_2A-48A-48C	Band 48	4	20M	3641	56150	QPSK	1	0	Band 48	20M	3660.8	56348	Band 2	20M	1880	900	Band 13	10M	751	5230		22.43	22.57
	Band 2	1	20M	1880	18900	QPSK	1	0	Band 48	20M	3641	56150	Band 48	5M	3552.5	55265	Band 48	20M	3564.2	55382	4xMMMO	23.45	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 48	20M	3641	56150	Band 48	5M	3552.5	55265	Band 48	20M	3564.2	55382	4xMMMO	21.76	21.89
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 48	20M	3660.8	56348	Band 48	5M	3552.5	55265	Band 2	20M	1880	900	4xMMMO	22.54	22.57
CA_2A-48C-66A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	Band 66	20M	2155	66886	4xMMMO	23.32	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	Band 66	20M	2155	66886	4xMMMO	21.65	21.89
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 48	20M	3660.8	56348	Band 66	20M	2155	66886	Band 2	20M	1880	900	4xMMMO	22.43	22.57
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 2	20M	1880	900	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	4xMMMO	23.21	23.35
CA_2A-2A-66A-66A	Band 66	2	20M	1745	132322	QPSK	1	0	Band 2	20M	1880	900	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	4xMMMO	21.88	22.06
	Band 2	1	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	4xMMMO	23.33	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	4xMMMO	21.73	21.89
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMMMO	23.21	23.35
CA_2A-66A-66A-66A	Band 66	2	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 2	20M	1880	900	Band 2	5M	1987.5	1175	4xMMMO	21.84	22.06
	Band 2	1	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 66	20M	2120	66536	4xMMMO	23.33	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 66	20M	2120	66536	4xMMMO	21.69	21.89
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 66	20M	2120	66536	Band 2	20M	1880	900	4xMMMO	23.21	23.35
CA_4A-48D	Band 66	2	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 66	20M	2120	66536	Band 2	20M	1880	900	4xMMMO	22.00	22.06
	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3621.2	55952	Band 48	20M	3601.4	55754	4xMMMO	23.22	23.33
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3621.2	55952	Band 48	20M	3601.4	55754	4xMMMO	21.76	21.99
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 48	20M	3621.2	55952	Band 48	20M	3601.4	55754	Band 4	20M	2132.5	2175	4xMMMO	22.45	22.57
CA_2A-48D	Band 2	1	20M	1880	18900	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3621.2	55952	Band 48	20M	3601.4	55754	4xMMMO	23.33	23.51
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3621.2	55952	Band 48	20M	3601.4	55754	4xMMMO	21.74	21.89
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 48	20M	3621.2	55952	Band 48	20M	3601.4	55754	Band 2	20M	1880	900	4xMMMO	22.34	22.57
	Band 13	1	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	4xMMMO	23.21	23.28
CA_13A-48A-66B	Band 13	2	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	4xMMMO	22.75	22.99
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	Band 13	10M	751	5230		22.34	22.57
	Band 66	1	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 13	10M	751	5230	Band 48	20M	3641	56150	4xMMMO	22.89	23.03
	Band 66	2	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 13	10M	751	5230	Band 48	20M	3641	56150	4xMMMO	21.71	21.84
CA_13A-48C-66C	Band 13	1	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	4xMMMO	23.14	23.28
	Band 13	2	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	4xMMMO	22.84	22.99
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	Band 13	10M	751	5230		22.43	22.57
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 13	10M	751	5230	Band 48	20M	3641	56150	4xMMMO	23.30	23.35
CA_13A-48A-48C	Band 66	2	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 13	10M	751	5230	Band 48	20M	3641	56150	4xMMMO	21.83	22.06
	Band 13	1	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 48	5M	3552.5	55265	Band 48	20M	3564.2	55382	4xMMMO	23.21	23.28
	Band 13	2	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 48	5M	3552.5	55265	Band 48	20M	3564.2	55382	4xMMMO	22.75	22.99
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 48	20M	3660.8	56348	Band 48	5M	3552.5	55265	Band 13	10M	751	5230		22.44	22.57
CA_13A-48D	Band 13	1	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3621.2	55952	Band 48	20M	3601.4	55754	4xMMMO	23.20	23.28
	Band 13	2	10M	782	23230	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3621.2	55952	Band 48	20M	3601.4	55754	4xMMMO	22.78	22.99
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 48	20M	3621.2	55952	Band 48	20M	3601.4	55754	Band 13	10M	751	5230		22.43	22.57
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 48	5M	3552.5	55265	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	4xMMMO	23.34	23.51
CA_48A-48A-66A-66A	Band 66	1	20M	1745	132322	QPSK	1	0	Band 48	5M	3552.5	55265	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	4xMMMO	23.20	23.35
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 48	20M	3641	56150	Band 48	5M	3552.5	55265	4xMMMO	23.20	23.35
	Band 66	2	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 48	20M	3641	56150	Band 48	5M	3552.5	55265	4xMMMO	21.82	22.06
	Band 48	4	20M	3641	56150	QPSK	1	0	Band 48	5M	3552.5	55265	Band 66	15M	2155	66886	Band 66	5M	2164.3	67311	4xMMMO	22.43	22.57
CA_48A-48A-66B	Band 66	1	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	67311	Band 48	20M	3641	56150	Band 48	5M	3552.5	55265	4xMMMO	22.87	23.03
	Band 66	2	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	67311	Band 48	20M	3641	56150	Band 48	5M	3552.5	55265	4xMMMO	21.65	21.84
	Band 48	4	20M	3641	56150	QPSK	1	0															



5G NR Default power level /Pmax power level

n2 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 372000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1880	1900	24.0	0.0	
Frequency (MHz)									
20	PV2 BPSK	1	1	23.61	23.36	23.39	24.0	0.0	
20	PV2 BPSK	1	53	23.62	23.36	23.51			
20	PV2 BPSK	1	104	23.50	23.43	20.62			
20	PV2 BPSK	50	0	22.78	22.89	22.61		23.5	
20	PV2 BPSK	50	28	23.59	23.42	23.49	24.0	0.0	
20	PV2 BPSK	50	56	22.69	22.80	22.69	23.5	0.5	
20	PV2 BPSK	100	0	22.67	22.84	22.77			
20	QPSK	1	1	23.42	23.70	23.66	24.0	0.0	
20	QPSK	1	53	23.58	23.50	23.61			
20	QPSK	1	104	23.50	23.46	21.20			
20	QPSK	50	0	22.21	22.36	22.24		23.0	
20	QPSK	50	28	23.56	23.59	23.48	24.0	0.0	
20	QPSK	50	56	22.06	22.24	22.11	23.0	1.0	
20	QPSK	100	0	22.16	22.26	22.11			
20	16QAM	1	1	22.19	22.34	22.23	23.0	1.0	
20	64QAM	1	1	20.92	21.05	20.96	21.5	2.5	
20	256QAM	1	1	19.88	19.96	19.87	19.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	23.50	23.29	23.40	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895			
10	QPSK	1	1	23.54	23.24	23.31	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	1	23.37	23.36	20.49	24.0	0.0	

n5 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167500	Power High Ch. / Freq. 167800	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839	24.0	0.0	
Frequency (MHz)									
20	PV2 BPSK	1	1	22.74	22.82	22.78	24.0	0.0	
20	PV2 BPSK	1	53	22.61	22.85	22.59			
20	PV2 BPSK	1	104	22.45	22.45	22.60		23.5	
20	PV2 BPSK	50	0	22.05	22.15	22.08		23.5	
20	PV2 BPSK	50	28	22.40	22.73	22.77	24.0	0.0	
20	PV2 BPSK	50	56	22.11	22.19	22.12	23.5	0.5	
20	PV2 BPSK	100	0	22.12	22.27	22.10			
20	QPSK	1	1	22.80	22.98	22.79	24.0	0.0	
20	QPSK	1	53	22.62	22.81	22.63			
20	QPSK	1	104	22.57	22.62	22.55			
20	QPSK	50	0	21.74	21.85	21.72		23.0	
20	QPSK	50	28	22.66	22.94	22.62	24.0	0.0	
20	QPSK	50	56	21.49	21.60	21.51	23.0	1.0	
20	QPSK	100	0	21.62	21.73	21.68			
20	16QAM	1	1	21.71	21.83	21.65	23.0	1.0	
20	64QAM	1	1	20.25	20.36	20.24	21.5	2.5	
20	256QAM	1	1	19.57	19.70	19.63	19.5	4.5	
Channel				166300	167500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.69	22.72	22.77	24.0	0.0	
Channel				165800	167500	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.50	22.57	22.47	24.0	0.0	
Channel				165300	167500	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.64	22.68	22.65	24.0	0.0	

n66 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 348000	Power High Ch. / Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760	24.0	0.0	
Frequency (MHz)									
40	PV2 BPSK	1	1	23.64	23.65	23.57	24.0	0.0	
40	PV2 BPSK	1	108	23.60	23.63	23.57			
40	PV2 BPSK	1	214	23.65	23.73	23.57		23.5	
40	PV2 BPSK	108	0	22.91	23.06	22.87		23.5	
40	PV2 BPSK	108	54	23.65	23.58	23.56	24.0	0.0	
40	PV2 BPSK	108	108	23.06	23.13	23.02	23.5	0.5	
40	PV2 BPSK	216	0	22.93	23.07	22.96			
40	QPSK	1	1	23.77	23.83	23.58	24.0	0.0	
40	QPSK	1	108	23.73	23.60	23.59			
40	QPSK	1	214	23.74	23.55	23.46			
40	QPSK	108	0	22.62	22.70	22.60		23.0	
40	QPSK	108	54	23.89	23.79	23.64	24.0	0.0	
40	QPSK	108	108	22.51	22.65	22.53	23.0	1.0	
40	QPSK	216	0	22.55	22.60	22.45			
40	16QAM	1	1	22.82	22.78	22.62	23.0	1.0	
40	64QAM	1	1	20.89	21.07	20.89	21.5	2.5	
40	256QAM	1	1	19.10	19.26	19.17	19.5	4.5	
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.48	23.57	23.52	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.54	23.68	23.52	24.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.50	23.59	23.49	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.51	23.64	23.43	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.52	23.52	23.43	24.0	0.0	



n2 ANT2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 372000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1860	1900	24.0	0.0	
Frequency (MHz)				23.47	23.42	23.65			
20	PI2 BPSK	1	1	23.43	23.55	23.68			
20	PI2 BPSK	1	104	23.40	23.60	23.47			
20	PI2 BPSK	50	0	22.82	22.98	22.92	23.5	0.5	
20	PI2 BPSK	50	28	23.44	23.56	23.64	24.0	0.0	
20	PI2 BPSK	50	56	22.86	22.92	22.78	23.5	0.5	
20	PI2 BPSK	100	0	22.77	22.94	22.83			
20	QPSK	1	1	23.58	23.77	23.56	24.0	0.0	
20	QPSK	1	53	23.54	23.72	23.70			
20	QPSK	1	104	23.47	23.70	23.40			
20	QPSK	50	0	22.28	22.41	22.25		1.0	
20	QPSK	50	28	23.41	23.67	23.64	24.0	0.0	
20	QPSK	50	56	22.35	22.50	22.41	23.0	1.0	
20	QPSK	100	0	22.41	22.47	22.38			
20	16QAM	1	1	22.30	22.42	22.35	23.0	1.0	
20	64QAM	1	1	20.85	21.00	20.83	21.5	2.5	
20	256QAM	1	1	19.05	19.20	19.06	19.5	4.5	
Channel				371550	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1860	1902.5			
15	QPSK	1	1	23.31	23.45	23.56	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1905			
10	QPSK	1	1	23.32	23.40	23.54	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1860	1907.5			
5	QPSK	1	1	23.41	23.33	23.58	24.0	0.0	

n5 ANT2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166800	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167800	Tune-up limit (dbm)	MPR (db)	
Channel				834	836.5	839			
Frequency (MHz)									
20	PI2 BPSK	1	1	23.50	23.37	23.38	24.0	0.0	
20	PI2 BPSK	1	53	23.33	23.26	23.24			
20	PI2 BPSK	1	104	23.36	23.30	23.29			
20	PI2 BPSK	50	0	22.89	22.95	22.80	23.5	0.5	
20	PI2 BPSK	50	28	23.24	23.20	23.25	24.0	0.0	
20	PI2 BPSK	50	56	22.68	22.78	22.69	23.5	0.5	
20	PI2 BPSK	100	0	22.89	22.84	22.96			
20	QPSK	1	1	23.45	23.70	23.51	24.0	0.0	
20	QPSK	1	53	23.25	23.32	23.34			
20	QPSK	1	104	23.35	23.26	23.22			
20	QPSK	50	0	22.48	22.55	22.50		1.0	
20	QPSK	50	28	23.24	23.42	23.06	24.0	0.0	
20	QPSK	50	56	22.24	22.37	22.31	23.0	1.0	
20	QPSK	100	0	22.43	22.48	22.36			
20	16QAM	1	1	22.28	22.41	22.22	23.0	1.0	
20	64QAM	1	1	21.08	21.15	20.87	21.5	2.5	
20	256QAM	1	1	19.26	19.34	19.16	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.39	23.28	23.24	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				830	836.5	844			
10	QPSK	1	1	23.24	23.15	23.14	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.40	23.29	23.30	24.0	0.0	

n66 ANT2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760			
Frequency (MHz)									
40	PI2 BPSK	1	1	23.63	23.81	23.82	24.0	0.0	
40	PI2 BPSK	1	108	23.85	23.84	23.74			
40	PI2 BPSK	1	214	23.75	23.82	23.75			
40	PI2 BPSK	108	0	23.27	23.36	23.19			
40	PI2 BPSK	108	54	23.86	23.80	23.68	23.5	0.5	
40	PI2 BPSK	108	108	23.22	23.35	23.23	23.5	0.5	
40	PI2 BPSK	216	0	23.12	23.27	23.12			
40	QPSK	1	1	23.83	23.88	23.52	24.0		
40	QPSK	1	108	23.75	23.82	23.75			
40	QPSK	1	214	23.65	23.84	23.85			
40	QPSK	108	0	22.86	22.80	22.70			
40	QPSK	108	54	23.77	23.82	23.74	23.0	1.0	
40	QPSK	108	108	22.84	22.78	22.73	23.0	1.0	
40	QPSK	216	0	22.99	22.77	22.67			
40	16QAM	1	1	22.81	22.91	22.84	23.0	1.0	
40	64QAM	1	1	21.19	21.24	21.28	21.5	2.5	
40	256QAM	1	1	19.17	19.30	19.16	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.51	23.68	23.75	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.62	23.86	23.68	24.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.49	23.65	23.78	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.71	23.77	23.67	24.0	0.0	
Channel				341000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.78	23.71	23.58	24.0	0.0	

n77_FCC ANT4									
BW [MHz]	Modulation	RB Size		RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000	656000	662000	25.0	0.0
Frequency (MHz)					3750	3840	3930		
100	PI/2 BPSK	1		1	23.83	23.69	24.08	25.0	0.0
100	PI/2 BPSK	1	137		23.92	23.95	24.12		
100	PI/2 BPSK	1	271		23.96	23.97	24.13		
100	PI/2 BPSK	135	0		23.89	23.94	24.15	25.0	0.0
100	PI/2 BPSK	135	69		24.01	23.96	24.21	25.0	0.0
100	PI/2 BPSK	135	138		23.89	24.01	24.27	25.0	0.0
100	PI/2 BPSK	270	0		23.95	23.98	24.18		
100	QPSK	1	1		24.15	24.30	24.13		
100	QPSK	1	137		24.01	24.12	24.15	25.0	0.0
100	QPSK	1	271		24.04	24.09	24.25		
100	QPSK	135	0		23.95	23.92	23.87		
100	QPSK	135	69		23.96	24.19	24.16	25.0	0.0
100	QPSK	135	138		23.93	23.90	23.89	25.0	0.0
100	QPSK	270	0		23.83	23.96	23.96		
100	16QAM	1	1		23.97	24.12	24.12	25.0	0.0
100	64QAM	1	1		22.52	22.63	22.65	23.0	2.0
100	256QAM	1	1		22.25	22.23	22.21	23.0	2.0
Channel					649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3745.02	3840	3934.98	25.0	0.0
90	QPSK	1		1	23.74	23.60	23.95		
Channel					649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3740.01	3840	3939.99	25.0	0.0
80	QPSK	1		1	23.86	23.88	24.02		
Channel					648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3730.02	3840	3949.98	25.0	0.0
60	QPSK	1		1	23.90	23.90	24.07		
Channel					648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3725.01	3840	3954.99	25.0	0.0
50	QPSK	1		1	23.87	23.90	24.02		
Channel					648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3720	3840	3960	25.0	0.0
40	QPSK	1		1	23.90	23.87	24.00		
Channel					647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3710.01	3840	3969.99	25.0	0.0
20	QPSK	1		1	23.89	23.83	24.06		

n77_FCC ANT4-HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle 656000	Power High Ch / Freq 662000	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	26.45	26.74	26.51	27.0	0.0	
100	PI/2 BPSK	1	137	26.26	26.81	26.36			
100	PI/2 BPSK	1	271	26.31	26.85	26.43			
100	PI/2 BPSK	135	0	25.93	26.34	26.06	27.0	0.0	
100	PI/2 BPSK	135	69	26.25	26.72	26.34	27.0	0.0	
100	PI/2 BPSK	135	138	25.93	26.45	26.05	27.0	0.0	
100	PI/2 BPSK	270	0	25.94	26.50	26.04			
100	QPSK	1	1	26.82	26.92	26.90			
100	QPSK	1	137	26.61	26.88	26.68	27.0	0.0	
100	QPSK	1	271	26.61	26.78	26.68			
100	QPSK	135	0	26.12	26.42	26.21		27.0	0.0
100	QPSK	135	69	26.37	26.76	26.43	27.0	0.0	
100	QPSK	135	138	26.04	26.47	26.14	27.0	0.0	
100	QPSK	270	0	25.69	26.67	25.76			
100	16QAM	1	1	25.65	25.91	25.75	27.0	0.0	
100	64QAM	1	1	24.70	25.09	24.81	26.0	1.0	
100	256QAM	1	1	23.46	23.30	23.56	24.0	3.0	
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	27.0	0.0	
90	QPSK	1	1	26.39	26.67	26.44			
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	27.0	0.0	
80	QPSK	1	1	26.25	26.80	26.37			
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	27.0	0.0	
60	QPSK	1	1	26.20	26.79	26.37			
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	27.0	0.0	
50	QPSK	1	1	26.25	26.73	26.30			
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	27.0	0.0	
40	QPSK	1	1	26.12	26.69	26.19			
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	27.0	0.0	
20	QPSK	1	1	26.17	26.67	26.31			



5G NR Down Power

n2 ANT 1 DS13&7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	14.99	15.08	14.86	15.9	0.0	
20	PI/2 BPSK	1	53	15.14	14.95	14.78			
20	PI/2 BPSK	1	104	15.08	14.90	14.87			
20	PI/2 BPSK	50	0	15.17	15.05	14.78	15.9	0.0	
20	PI/2 BPSK	50	28	15.18	14.98	14.87	15.9	0.0	
20	PI/2 BPSK	50	56	15.11	14.99	14.81	15.9	0.0	
20	PI/2 BPSK	100	0	15.08	15.01	14.84			
20	QPSK	1	1	15.13	15.21	14.80			
20	QPSK	1	53	15.11	15.13	14.85	15.9	0.0	
20	QPSK	1	104	15.06	15.05	14.87	15.9	0.0	
20	QPSK	50	0	15.00	15.06	14.76			
20	QPSK	50	28	15.15	15.26	14.96			
20	QPSK	50	56	15.13	15.19	14.86	15.9	0.0	
20	QPSK	100	0	15.08	15.06	14.70	15.9	0.0	
20	16QAM	1	1	15.01	14.97	14.88			
20	64QAM	1	1	15.03	15.03	14.66			
20	256QAM	1	1	15.02	14.93	14.80	15.9	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	15.9 <td colspan="2">0.0</td>	0.0	
15	QPSK	1	1	15.07	15.15	14.79	15.9	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905 <td>15.9</td> <td colspan="2">0.0</td>	15.9	0.0	
10	QPSK	1	1	14.96	15.11	14.73	15.9	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5 <td>15.9</td> <td colspan="2">0.0</td>	15.9	0.0	
5	QPSK	1	1	15.11	15.20	14.86	15.9	0.0	

n2 ANT 1 DS16									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	20.36	20.37	20.12	21.3	0.0	
20	PI2 BPSK	1	53	20.23	20.33	20.09			
20	PI2 BPSK	1	104	20.33	20.26	20.10			
20	PI2 BPSK	50	0	20.35	20.36	20.13	21.3	0.0	
20	PI2 BPSK	50	28	20.35	20.37	20.23	21.3	0.0	
20	PI2 BPSK	50	56	20.38	20.36	20.24	21.3	0.0	
20	PI2 BPSK	100	0	20.37	20.33	20.19			
20	QPSK	1	1	20.33	20.45	20.29			
20	QPSK	1	53	20.26	20.36	20.26	21.3	0.0	
20	QPSK	1	104	20.37	20.35	20.07	21.3	0.0	
20	QPSK	50	0	20.36	20.34	20.14			
20	QPSK	50	28	20.37	20.39	20.10			
20	QPSK	50	56	20.32	20.36	20.13	21.3	0.0	
20	QPSK	100	0	20.26	20.36	20.23			
20	16QAM	1	1	20.28	20.24	20.25	21.3	0.0	
20	64QAM	1	1	20.24	20.21	20.25	21.3	0.0	
20	256QAM	1	1	19.37	18.59	18.45	19.5	1.8	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5	15.9 <td colspan="2">0.0</td>	0.0	
15	QPSK	1	1	20.21	20.21	20.32	21.3	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1855	1880	1905	15.9 <td colspan="2">0.0</td>	0.0	
10	QPSK	1	1	20.23	20.33	20.22	21.3	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1852.5	1880	1907.5	15.9 <td colspan="2">0.0</td>	0.0	
5	QPSK	1	1	20.12	20.23	20.13	21.3	0.0	

n2 ANT 2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372050	376000	380500	18.7	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	17.34	17.43	17.67			
20	PI2 BPSK	1	53	17.44	17.50	17.65	18.7	0.0	
20	PI2 BPSK	1	104	17.53	17.50	17.61	18.7	0.0	
20	PI2 BPSK	50	0	17.41	17.58	17.54			
20	PI2 BPSK	50	28	17.48	17.53	17.68			
20	PI2 BPSK	50	56	17.43	17.49	17.49	18.7	0.0	
20	PI2 BPSK	100	0	17.36	17.50	17.64	18.7	0.0	
20	QPSK	1	1	17.57	17.76	17.66			
20	QPSK	1	53	17.49	17.69	17.52			
20	QPSK	1	104	17.42	17.56	17.62	18.7	0.0	
20	QPSK	50	0	17.44	17.61	17.70			
20	QPSK	50	28	17.32	17.76	17.46			
20	QPSK	50	56	17.31	17.54	17.67	18.7	0.0	
20	QPSK	100	0	17.34	17.63	17.60			
20	16QAM	1	1	17.31	17.55	17.51	18.7	0.0	
20	64QAM	1	1	17.37	17.51	17.51	18.7	0.0	
20	256QAM	1	1	17.49	17.73	17.72	18.7	0.0	
Channel				371500	376000	380500	18.7	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	16.98	17.36	17.20	18.7	0.0	
Channel				371000	376000	381500	18.7	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	17.01	17.19	17.25	18.7	0.0	
Channel				370500	376000	381500	18.7	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	17.08	17.35	17.16	18.7	0.0	

n2 ANT 2 DSI3&7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372050	376000	380500	17.6	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	16.34	16.51	16.45			
20	PI2 BPSK	1	53	16.45	16.48	16.61	17.6	0.0	
20	PI2 BPSK	1	104	16.35	16.47	16.43	17.6	0.0	
20	PI2 BPSK	50	0	16.32	16.51	16.62			
20	PI2 BPSK	50	28	16.51	16.55	16.58			
20	PI2 BPSK	50	56	16.52	16.57	16.41	17.6	0.0	
20	PI2 BPSK	100	0	16.43	16.54	16.49	17.6	0.0	
20	QPSK	1	1	16.63	16.84	16.71			
20	QPSK	1	53	16.37	16.69	16.43			
20	QPSK	1	104	16.50	16.69	16.49	17.6	0.0	
20	QPSK	50	0	16.30	16.60	16.44			
20	QPSK	50	28	16.35	16.72	16.40			
20	QPSK	50	56	16.40	16.55	16.49	17.6	0.0	
20	QPSK	100	0	16.33	16.58	16.50	17.6	0.0	
20	16QAM	1	1	16.43	16.58	16.41			
20	64QAM	1	1	16.46	16.53	16.61	17.6	0.0	
20	256QAM	1	1	16.49	16.48	16.41	17.6	0.0	
Channel				371500	376000	380500	17.6	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	16.16	16.35	16.06	17.6	0.0	
Channel				371000	376000	381500	17.6	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	16.09	16.41	16.11	17.6	0.0	
Channel				370500	376000	381500	17.6	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	16.03	16.28	16.12	17.6	0.0	

n2 ANT 2 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372050	376000	380500	22.3	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	21.19	21.39	21.16			
20	PI2 BPSK	1	53	21.21	21.40	21.21	22.3	0.0	
20	PI2 BPSK	1	104	21.26	21.41	21.36	22.3	0.0	
20	PI2 BPSK	50	0	21.35	21.38	21.25			
20	PI2 BPSK	50	28	21.32	21.37	21.14			
20	PI2 BPSK	50	56	21.12	21.35	21.15	22.3	0.0	
20	PI2 BPSK	100	0	21.12	21.37	21.27	22.3	0.0	
20	QPSK	1	1	21.51	21.71	21.53			
20	QPSK	1	53	21.54	21.58	21.34			
20	QPSK	1	104	21.34	21.55	21.43	22.3	0.0	
20	QPSK	50	0	21.34	21.45	21.20			
20	QPSK	50	28	21.60	21.68	21.61			
20	QPSK	50	56	21.23	21.43	21.39	22.3	0.0	
20	QPSK	100	0	21.31	21.58	21.10	22.3	0.0	
20	16QAM	1	1	21.28	21.43	21.29			
20	64QAM	1	1	20.96	20.92	20.77	21.5	0.8	
20	256QAM	1	1	19.14	19.22	19.84	19.5	2.8	
Channel				371500	376000	380500	22.3	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	21.27	21.55	21.35	22.3	0.0	
Channel				371000	376000	381500	22.3	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	21.38	21.64	21.36	22.3	0.0	
Channel				370500	376000	381500	22.3	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	21.34	21.47	21.47	22.3	0.0	

n66 ANT 1 DS13&7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	17.21	17.33	17.23	18.7	0.0	
40	PI2 BPSK	1	108	17.22	17.26	17.19			
40	PI2 BPSK	1	214	17.08	17.19	17.01			
40	PI2 BPSK	108	0	17.33	17.38	17.23	18.7	0.0	
40	PI2 BPSK	108	54	17.24	17.33	17.15	18.7	0.0	
40	PI2 BPSK	108	108	17.22	17.37	17.23	18.7	0.0	
40	PI2 BPSK	216	0	17.48	17.44	17.42			
40	QPSK	1	1	17.42	17.56	17.45			
40	QPSK	1	108	17.38	17.38	17.32	18.7	0.0	
40	QPSK	1	214	17.34	17.38	17.19	18.7	0.0	
40	QPSK	108	0	17.33	17.37	17.22			
40	QPSK	108	54	17.46	17.49	17.47			
40	QPSK	108	108	17.33	17.41	17.34	18.7	0.0	
40	QPSK	216	0	17.20	17.38	17.22	18.7	0.0	
40	16QAM	1	1	17.21	17.29	17.28			
40	64QAM	1	1	17.34	17.43	17.42			
40	256QAM	1	1	17.35	17.38	17.37	18.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765		(dB)	
30	QPSK	1	1	17.18	17.24	17.14	18.7		0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770		(dB)	
20	QPSK	1	1	17.12	17.25	17.23	18.7		0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5 <td>1745</td> <td>1772.5</td> <th></th> <th>(dB)</th> <th></th>	1745	1772.5		(dB)	
15	QPSK	1	1	17.10	17.34	17.15	18.7		0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715 <td>1744</td> <td>1775</td> <th></th> <th>(dB)</th> <th></th>	1744	1775		(dB)	
10	QPSK	1	1	17.13	17.23	17.22	18.7		0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5 <td>1745</td> <td>1777.5</td> <th></th> <th>(dB)</th> <th></th>	1745	1777.5		(dB)	
5	QPSK	1	1	17.10	17.33	17.18	18.7		0.0

n66 ANT 1 DS16									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.23	21.32	21.23	23.2	0.0	
40	PI2 BPSK	1	108	21.21	21.26	21.21			
40	PI2 BPSK	1	214	21.04	21.14	21.05			
40	PI2 BPSK	108	0	21.09	21.24	21.12	23.2	0.0	
40	PI2 BPSK	108	54	21.11	21.21	21.10	23.2	0.0	
40	PI2 BPSK	108	108	21.13	21.26	21.08	23.2	0.0	
40	PI2 BPSK	216	0	21.09	21.21	21.16			
40	QPSK	1	1	21.28	21.09	21.31			
40	QPSK	1	108	21.13	21.31	21.17	23.2	0.0	
40	QPSK	1	214	21.23	21.33	21.19	23.0	0.2	
40	QPSK	108	0	21.10	21.34	20.98			
40	QPSK	108	54	21.42	21.56	21.30			
40	QPSK	108	108	21.22	21.26	21.23	23.0	0.2	
40	QPSK	216	0	21.09	21.15	21.01	23.0	0.2	
40	16QAM	1	1	21.15	21.25	21.11			
40	64QAM	1	1	20.84	20.78	20.73			
40	256QAM	1	1	18.91	19.20	18.91	19.5	3.7	
Channel				345000	349000	353000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.25	21.27	21.22	23.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	21.14	21.19	21.10	23.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				1717.5 <td>1745</td> <td>1772.5</td> <td colspan="3"></td>	1745	1772.5			
15	QPSK	1	1	21.15	21.21	21.19	23.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				1715 <td>1745</td> <td>1775</td> <td colspan="3"></td>	1745	1775			
10	QPSK	1	1	21.16	21.28	21.19	23.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				1712.5 <td>1745</td> <td>1777.5</td> <td colspan="3"></td>	1745	1777.5			
5	QPSK	1	1	21.21	21.28	21.28	23.2	0.0	



n66 ANT 2 DS12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dbm)	MPR (db)	
Channel				1730	1745	1760			
Frequency (MHz)									
40	P12 BPSK	1	1	15.63	15.79	15.60	17.2	0.0	
40	P12 BPSK	1	108	15.76	15.83	15.72			
40	P12 BPSK	1	214	15.59	15.69	15.49			
40	P12 BPSK	108	0	15.67	15.84	15.61	17.2	0.0	
40	P12 BPSK	108	54	15.66	15.76	15.65	17.2	0.0	
40	P12 BPSK	108	108	15.80	15.90	15.83	17.2	0.0	
40	P12 BPSK	216	0	15.69	15.82	15.72			
40	QPSK	1	1	15.58	15.16	16.02			
40	QPSK	1	108	16.09	16.12	16.03	17.2	0.0	
40	QPSK	1	214	15.94	16.02	15.88	17.2	0.0	
40	QPSK	108	0	15.76	15.82	15.66			
40	QPSK	108	54	15.76	15.92	15.74			
40	QPSK	108	108	15.82	15.91	15.80	17.2	0.0	
40	QPSK	216	0	15.76	15.84	15.65	17.2	0.0	
40	16QAM	1	1	15.76	15.87	15.78	17.2	0.0	
40	64QAM	1	1	15.86	16.00	15.85	17.2	0.0	
40	256QAM	1	1	15.89	16.08	15.90	17.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	15.80	15.80	15.54	17.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	15.91	16.06	16.00	17.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
15	QPSK	1	1	15.70	15.99	15.69	17.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.82	15.90	15.83	17.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	16.01	16.09	16.02	17.2	0.0	

n66 ANT 2 DS13&7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	P12 BPSK	1	1	16.89	16.96	16.78	18.3	0.0	
40	P12 BPSK	1	108	16.92	17.06	16.90			
40	P12 BPSK	1	214	16.80	16.86	16.78			
40	P12 BPSK	108	0	16.86	17.04	16.90	18.3	0.0	
40	P12 BPSK	108	54	16.85	16.95	16.82	18.3	0.0	
40	P12 BPSK	108	108	16.97	17.06	16.96	18.3	0.0	
40	P12 BPSK	216	0	16.86	16.96	16.87			
40	QPSK	1	1	17.16	17.25	17.25		0.0	
40	QPSK	1	108	17.07	17.12	16.96	18.3		
40	QPSK	1	214	17.08	17.16	16.94			
40	QPSK	108	0	16.87	16.97	16.77	18.3	0.0	
40	QPSK	108	54	16.87	17.11	16.77	18.3	0.0	
40	QPSK	108	108	17.00	17.05	16.93	18.3	0.0	
40	QPSK	216	0	16.88	17.01	16.82	18.3	0.0	
40	16QAM	1	1	16.88	16.94	16.81	18.3		
40	64QAM	1	1	17.08	17.19	17.13	18.3		
40	256QAM	1	1	17.16	17.20	17.18	18.3	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dB)		
30	QPSK	1	1	16.95	17.18	17.22	18.3	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dB)		
20	QPSK	1	1	17.08	17.11	17.03	18.3	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dB)		
15	QPSK	1	1	16.94	17.24	17.04	18.3	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dB)		
10	QPSK	1	1	17.14	17.21	17.09	18.3	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dB)		
5	QPSK	1	1	16.97	17.14	17.04	18.3	0.0	

n66 ANT 2 DS16									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	P12 BPSK	1	1	20.20	20.38	20.32	21.7	0.0	
40	P12 BPSK	1	108	20.06	20.28	20.06			
40	P12 BPSK	1	214	20.17	20.30	20.07			
40	P12 BPSK	108	0	20.07	20.31	20.09	21.7	0.0	
40	P12 BPSK	108	54	20.12	20.36	20.32	21.7	0.0	
40	P12 BPSK	108	108	20.19	20.42	20.28	21.7	0.0	
40	P12 BPSK	216	0	20.13	20.35	20.27			
40	QPSK	1	1	20.58	20.65	20.60			
40	QPSK	1	108	20.62	20.64	20.54	21.7	0.0	
40	QPSK	1	214	20.43	20.57	20.33	21.7	0.0	
40	QPSK	108	0	20.15	20.37	20.30			
40	QPSK	108	54	20.15	20.37	20.30			
40	QPSK	108	108	20.13	20.26	20.35	21.7	0.0	
40	QPSK	216	0	20.38	20.44	20.31	21.7	0.0	
40	16QAM	1	1	20.42	20.43	20.38			
40	64QAM	1	1	20.33	20.48	20.44			
40	256QAM	1	1	18.98	19.19	18.99	19.5	2.2	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dB)		
30	QPSK	1	1	20.56	20.55	20.45	21.7	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dB)		
20	QPSK	1	1	20.45	20.44	20.54	21.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dB)		
15	QPSK	1	1	20.77	20.81	20.44	21.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dB)		
10	QPSK	1	1	20.54	20.44	20.43	21.7	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dB)		
5	QPSK	1	1	20.43	20.45	20.55	21.7	0.0	

n77 ANT 4 DSI2&DSI6 PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.14	20.18	20.13	21.5	0.0	
100	PI2 BPSK	1	137	20.23	20.25	20.23			
100	PI2 BPSK	1	271	20.24	20.28	20.25			
100	PI2 BPSK	135	0	20.26	20.27	20.24	21.5	0.0	
100	PI2 BPSK	135	69	20.20	20.25	20.20	21.5	0.0	
100	PI2 BPSK	135	138	20.20	20.22	20.15	21.5	0.0	
100	PI2 BPSK	270	0	20.27	20.32	20.29			
100	QPSK	1	1	20.33	20.46	20.34	21.5	0.0	
100	QPSK	1	137	20.35	20.30	20.37			
100	QPSK	1	271	20.31	20.33	20.32			
100	QPSK	135	0	20.36	20.38	20.37	21.5	0.0	
100	QPSK	135	69	20.34	20.35	20.32			
100	QPSK	135	138	20.28	20.32	20.30			
100	QPSK	270	0	20.34	20.37	20.31	21.5	0.0	
100	16QAM	1	1	20.46	20.43	20.48	21.5	0.0	
100	64QAM	1	1	20.41	20.46	20.39	21.5	0.0	
100	256QAM	1	1	20.32	20.33	20.29	21.5	0.0	
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	20.26	20.25	20.24		21.5	
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.13	20.03	20.04		21.5	
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	20.25	20.15	20.04		21.5	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	20.24	20.12	20		21.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	20.04	20.14	20.03		21.5	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.02	20.16	20.03		21.5	

n77 ANT 4 DSI3&7 PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	16.46	16.52	16.47	17.8	0.0	
100	PI2 BPSK	1	137	16.43	16.45	16.42			
100	PI2 BPSK	1	271	16.65	16.70	16.64			
100	PI2 BPSK	135	0	16.58	16.63	16.61	17.8	0.0	
100	PI2 BPSK	135	69	16.70	16.72	16.70	17.8	0.0	
100	PI2 BPSK	135	138	16.49	16.54	16.48	17.8	0.0	
100	PI2 BPSK	270	0	16.72	16.77	16.73			
100	QPSK	1	1	16.58	16.78	16.75	17.8	0.0	
100	QPSK	1	137	16.72	16.77	16.72			
100	QPSK	1	271	16.65	16.66	16.63			
100	QPSK	135	0	16.73	16.76	16.74	17.8	0.0	
100	QPSK	135	69	16.73	16.78	16.73			
100	QPSK	135	138	16.69	16.70	16.63			
100	QPSK	270	0	16.74	16.75	16.70	17.8	0.0	
100	16QAM	1	1	16.68	16.61	16.58	17.8	0.0	
100	64QAM	1	1	16.72	16.63	16.72	17.8	0.0	
100	256QAM	1	1	16.65	16.69	16.76	17.8	0.0	
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	16.36	16.71	16.7		17.8	
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.35	16.76	16.72		17.8	
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	16.34	16.75	16.74		17.8	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.33	16.73	16.7		17.8	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.34	16.71	16.73		17.8	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.36	16.72	16.73		17.8	



Conducted Power for WLAN/BT

2.4GHz WLAN	Ant 3+6_Full Power Standalone_At Head Standalone_For Body Worn Standalone_For Handheld Simultaneous_For Handheld					Ant 3+6_Simultaneous_For Head Simultaneous_For Body Worn Simultaneous_For Hotspot		Note
2.4GHz WLAN	Mode	Channel	Frequency (Mhz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	22.12	23.00	17.45	18.50	100.00
		6	2437	21.73	23.00	17.41	18.50	
		11	2462	22.00	23.00	17.26	18.50	
	802.11g 6Mbps	1	2412	20.87	22.00	Not Required	18.50	98.28
		6	2437	20.93	22.00		18.50	
		11	2462	19.63	20.50		18.50	
	802.11n-HT20 MCS0	1	2412	20.91	22.00		18.50	98.15
		6	2437	20.79	22.00		18.50	
		11	2462	20.93	22.00		18.50	

5GHz WLAN	Ant 5+6_Full Power Standalone_At Head Simultaneous_At Head Standalone_For Handheld					Ant 5+6_Standalone_For Body Worn		Ant 5+6_Simultaneous_For Body Worn Simultaneous_For Hotspot		Ant 5+6_Simultaneous_For Handheld		Note
5.2&5.3GHz WLAN	Mode	Channel	Frequency (Mhz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	18.29	19.00	Not Required	14.50	Not Required	10.50	Not Required	15.50	98.62
		40	5200	20.26	21.00		14.50		10.50		15.50	
		44	5220	20.34	21.00		14.50		10.50		15.50	
		48	5240	20.18	21.00		14.50		10.50		15.50	
	802.11n-HT20 MCS0	36	5180	18.99	20.00		14.50		10.50		15.50	97.79
		40	5200	20.05	21.00		14.50		10.50		15.50	
		44	5220	20.03	21.00		14.50		10.50		15.50	
		48	5240	18.89	21.00		14.50		10.50		15.50	
	802.11n-HT40 MCS0	38	5190	16.11	17.00		14.50		10.50	14.89	15.50	96.32
		46	5230	18.91	20.00		14.50		10.50	14.63	15.50	
	802.11ac-VHT20 MCS0	36	5180	19.97	21.00		14.50		10.50	Not Required	15.50	97.79
		40	5200	19.98	21.00		14.50		10.50		15.50	
		44	5220	19.98	21.00		14.50		10.50		15.50	
		48	5240	19.80	21.00		14.50		10.50		15.50	
	802.11ac-VHT40 MCS0	38	5190	19.03	20.00		14.50		10.50		15.50	96.32
		46	5230	18.85	20.00		14.50		10.50		15.50	
	802.11ac-VHT80 MCS0	42	5210	13.54	14.50	13.54	14.50	9.38	10.50	13.54	14.50	93.35

5GHz WLAN	Ant 5+6_Full Power Standalone_At Head Simultaneous_At Head Standalone_For Handheld					Ant 5+6_Standalone_For Body Worn		Ant 5+6_Simultaneous_For Body Worn		Ant 5+6_Simultaneous_For Handheld		Note
5.3GHz WLAN	Mode	Channel	Frequency (Mhz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5280	20.23	21.00	Not Required	14.50	Not Required	10.00	Not Required	15.50	98.62
		56	5280	20.02	21.00		14.50		10.00		15.50	
		60	5300	19.95	21.00		14.50		10.00		15.50	
		64	5320	18.40	19.50		14.50		10.00		15.50	
	802.11n-HT20 MCS0	52	5280	19.81	21.00		14.50		10.00		15.50	97.79
		56	5280	19.68	21.00		14.50		10.00		15.50	
		60	5300	19.64	21.00		14.50		10.00		15.50	
		64	5320	18.92	20.00		14.50		10.00		15.50	
	802.11n-HT40 MCS0	54	5270	18.80	20.00		14.50		10.00	14.39	15.50	96.32
		62	5310	15.92	17.00		14.50		10.00	14.22	15.50	
	802.11ac-VHT20 MCS0	52	5280	19.78	21.00		14.50	Not Required	10.00	Not Required	15.50	97.79
		56	5280	19.64	21.00		14.50		10.00		15.50	
		60	5300	19.59	21.00		14.50		10.00		15.50	
		64	5320	19.27	21.00		14.50		10.00		15.50	
	802.11ac-VHT40 MCS0	54	5270	18.77	20.00		14.50		10.00		15.50	96.32
		62	5310	18.41	20.00		14.50		10.00		15.50	
	802.11ac-VHT80 MCS0	58	5290	13.60	14.50	13.60	14.50	8.73	10.00	13.60	14.50	93.35

5GHz WLAN	Ant 5+6_Full Power Standalone_At Head Simultaneous_At Head Standalone_For Handheld					Ant 5+6_Standalone_For Body Worn		Ant 5+6_Simultaneous_For Body Worn		Ant 5+6_Simultaneous_For Handheld		Note
5.5GHz WLAN	Mode	Channel	Frequency (Mhz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	20.10	21.00	Not Required	14.50	Not Required	9.00	Not Required	15.50	98.62
		116	5580	20.00	21.00		14.50		9.00		15.50	
		132	5660	19.81	21.00		14.50		9.00		15.50	
		140	5700	19.39	20.50		14.50		9.00		15.50	
	802.11n-HT20 MCS0	100	5500	19.71	21.00		14.50		9.00		15.50	97.79
		116	5580	19.75	21.00		14.50		9.00		15.50	
		132	5660	19.72	20.00		14.50		9.00		15.50	
		140	5700	19.75	20.00		14.50		9.00		15.50	
	802.11n-HT40 MCS0	102	5510	15.29	16.00		14.50		9.00	Not Required	15.50	96.32
		110	5550	18.77	20.00		14.50		9.00		15.50	
	802.11ac-VHT20 MCS0	134	5670	18.69	20.00		14.50	Not Required	9.00	Not Required	15.50	97.79
		100	5500	19.66	21.00		14.50		9.00		15.50	
		116	5580	19.70	21.00		14.50		9.00		15.50	
		132	5660	19.58	20.00		14.50		9.00		15.50	
	802.11ac-VHT40 MCS0	140	5700	19.69	20.00		14.50		9.00		15.50	96.32
		102	5510	18.86	20.00		14.50		9.00		15.50	
		110	5550	18.72	20.00		14.50		9.00		15.50	
		134	5670	18.58	20.00		14.50		9.00		15.50	
	802.11ac-VHT80 MCS0	106	5530	14.91	16.00	14.18	14.50	7.83	9.00	14.91	15.50	93.35

5GHz WLAN	Ant 5+6_Full Power Standalone_At Head Simultaneous_At Head Standalone_For Handheld					Ant 5+6_Standalone_For Body Worn		Ant 5+6_Simultaneous_For Body Worn Simultaneous_For Hotspot		Ant 5+6_Simultaneous_For Handheld		Note
5.8GHz WLAN	Mode	Channel	Frequency (Mhz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	19.70	21.00	Not Required	14.50	Not Required	9.50	Not Required	16.50	98.62
		157	5785	19.91	21.00		14.50		9.50		16.50	
		165	5825	19.87	21.00		14.50		9.50		16.50	
	802.11n-HT20 MCS0	149	5745	19.65	21.00		14.50		9.50	Not Required	16.50	97.79
		157	5785	19.89	21.00		14.50		9.50		16.50	
		165	5825	19.79	21.00		14.50		9.50		16.50	
	802.11n-HT40 MCS0	151	5755	18.67	19.50		14.50		9.50	Not Required	16.50	96.32
		159	5795	18.71	19.50		14.50		9.50		16.50	
		149	5745	19.59	21.00		14.50		9.50		16.50	
	802.11ac-VHT20 MCS0	157	5785	19.77	21.00		14.50	Not Required	9.50	Not Required	16.50	97.79
		165	5825	19.68	21.00		14.50		9.50		16.50	
		151	5755	18.62	19.50		14.50		9.50		16.50	
	802.11ac-VHT40 MCS0	159	5795	18.69	19.50		14.50	Not Required	9.50	Not Required	16.50	96.32
		155	5775	17.87	19.50	13.63	14.50	8.45	9.50	15.53	16.50	93.35

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	12.04	11.01	10.47	14.00
	CH 39	2441	13.06	11.78	11.23	14.50
	CH 78	2480	14.41	13.05	13.07	15.00

BT LE 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	9.49
	CH 19	2440	9.35
	CH 39	2480	9.59
Tune-up Limit			11.00

BT LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
LE	CH 00	2402	9.48
	CH 19	2440	9.54
	CH 39	2480	9.32
Tune-up Limit			11.00



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																	
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140		
WCMA II	RMC 12.2Kbps	9400	1880	-	-	Left Cheek	0mm	0.116	0.133	0.019	0.040	0.043	0.061	0.026	0.035	0.038	0.024	0.054	0.031	0.041	0.030	0.035	0.033	0.034		
Full Power																										
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																	
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141		
WCMA V	RMC 12.2Kbps	4182	836.4	-	-	Right Cheek	0mm	0.248	0.268	0.006	0.129	0.007	0.123	0.118	0.116	0.198	0.031	0.194	0.068	0.202	0.036	0.093	0.071	0.122		
Full Power																										
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																	
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142		
LTE Band 2	20M/QPSK	18900	1880	1	0	Left Cheek	0mm	0.095	0.135	0.116	0.043	0.124	0.045	0.021	0.085	0.044	0.029	0.054	0.031	0.055	0.042	0.038	0.039	0.034		
Full Power																										
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																	
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143		
LTE Band 5	10M/QPSK	20525	836.5	1	0	Right Cheek	0mm	0.256	0.274	0.038	0.021	0.032	0.134	0.212	0.043	0.220	0.033	0.032	0.036	0.211	0.085	0.114	0.113	0.158		
Full Power																										
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																	
									Auto-Tune	4	14	24	34	44	54	64	74	84	94	104	114	124	134			
LTE Band 7	20M/QPSK	21100	2535	1	0	Right Cheek	0mm	0.058	0.077	0.074	0.069	0.071	0.067	0.073	0.041	0.064	0.051	0.042	0.059	0.038	0.066	0.062	0.067			
Full Power																										
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																	
									Auto-Tune	5	15	25	35	45	55	65	75	85	95	105	115	125	135			
LTE Band 12	10M/QPSK	23095	707.5	1	0	Right Cheek	0mm	0.097	0.112	0.000	0.013	0.000	0.004	0.007	0.000	0.014	0.021	0.026	0.001	0.011	0.010	0.003	0.033			
Full Power																										
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																	
									Auto-Tune	6	16	26	36	46	56	66	76	86	96	106	116	126	136			
LTE Band 66	20M/QPSK	132322	1745	1	0	Left Cheek	0mm	0.113	0.146	0.048	0.029	0.049	0.053	0.061	0.080	0.062	0.041	0.055	0.075	0.043	0.051	0.037	0.036			
Full Power																										
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																	
									Auto-Tune	7	17	27	37	47	57	67	77	87	97	107	117	127	137			
FR1 n2	20M/QPSK	378000	1880	1	1	Left Cheek	0mm	0.096	0.113	0.032	0.038	0.051	0.069	0.026	0.073	0.005	0.052	0.024	0.035	0.048	0.022	0.028	0.063			
Full Power																										
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																	
									Auto-Tune	8	18</															

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
WCDMA II	RMC 12.2Kbps	9262	1852.4	-	-	Bottom Side	5mm	0.855	1.440	0.246	0.451	0.281	0.469	0.312	0.387	0.441	0.304	0.645	0.345	0.467	0.350	0.397	0.471	0.369
Hotspot on																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141
WCDMA V	RMC 12.2Kbps	4132	826.4	-	-	Back	5mm	0.781	1.250	0.017	0.222	0.160	0.210	0.173	0.216	0.304	0.063	0.292	0.137	0.312	0.075	0.171	0.111	0.203
Full Power																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142
LTE Band 2	20M/QPSK	18700	1860	1	0	Bottom Side	5mm	1.010	1.680	1.674	0.604	1.639	0.634	0.807	0.527	0.618	0.471	0.781	0.487	0.681	0.709	0.584	0.608	0.547
Hotspot on																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143
LTE Band 5	10M/QPSK	20525	836.5	1	0	Back	5mm	0.713	1.160	0.439	0.817	0.346	0.975	0.843	0.409	1.040	0.293	1.036	0.336	1.140	0.257	0.697	0.442	0.909
Full Power																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	4	14	24	34	44	54	64	74	84	94	104	114	124	134	
LTE Band 7	20M/QPSK	21350	2560	1	0	Bottom Side	5mm	0.888	1.550	1.486	1.481	1.390	1.450	1.331	1.010	1.353	1.298	1.390	0.973	1.343	1.151	1.376	1.318	
Hotspot on																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	5	15	25	35	45	55	65	75	85	95	105	115	125	135	
LTE Band 12	10M/QPSK	23095	707.5	1	0	Bottom Side	5mm	0.324	0.830	0.025	0.161	0.029	0.107	0.110	0.020	0.207	0.094	0.224	0.027	0.183	0.166	0.118	0.367	
Full Power																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	6	16	26	36	46	56	66	76	86	96	106	116	126	136	
LTE Band 66	20M/QPSK	132322	1745	1	0	Bottom Side	5mm	1.040	1.730	1.021	0.644	1.120	0.752	1.032	1.633	0.744	0.405	0.933	1.344	0.733	1.174	0.850	0.821	
Hotspot on																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	7	17	27	37	47	57	67	77	87	97	107	117	127	137	
FR1 n2	20M/QPSK	376000	1880	1	1	Bottom Side	5mm	1.050	1.350	0.601	0.404	0.631	0.386	0.499	0.581	0.413	1.350	0.458	0.667	0.444	0.474	0.455	0.449	
Hotspot on																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measure d 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)															
									Auto-Tune	8	18													

[illegible]

Verified with SAR >1.2W/Kg)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacin g	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
WCDMA II	RMC 12.2Kbps	9262	1852.4	-	-	Bottom Side	5mm	0.855	1.440	0.246	0.806	1.016	0.890	0.743	0.647	0.572	0.521	0.481	0.474	0.451	0.429	0.402	0.378	0.389	0.365	0.351	0.339	0.331	0.304	0.281	
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
										0.761	1.036	0.932	0.786	0.685	0.604	0.546	0.503	0.497	0.469	0.449	0.416	0.393	0.402	0.377	0.361	0.347	0.338	0.308	0.312	0.677	
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
										0.586	0.529	0.495	0.466	0.442	0.428	0.425	0.415	0.387	0.389	0.345	0.345	0.795	0.671	0.582	0.526	0.490	0.461	0.441	0.426	0.424	
										63	55	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	
										0.413	0.405	0.385	0.385	0.338	1.073	0.820	0.304	0.299	0.297	0.295	0.294	0.291	0.278	1.083	1.338	0.767	0.645	0.579	0.525	0.488	
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	
										0.458	0.453	0.436	0.392	0.392	0.362	0.345	0.299	0.312	1.064	0.968	0.784	0.659	0.592	0.537	0.495	0.467	0.461	0.443	0.429	0.398	
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	
										0.396	0.326	0.373	0.358	0.351	0.350	0.348	0.537	0.492	0.464	0.440	0.428	0.416	0.409	0.400	0.397	0.393	0.389	0.382	0.382	0.361	
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143				
										0.414	0.379	0.375	0.512	0.471	0.447	0.426	0.413	0.405	0.394	0.388	0.387	0.383	0.377	0.369	0.370	0.355	0.347				
Hotspot on		Ant 1																													

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacin g	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
LTE Band 2	20M/QPSK	18700	1860	1	0	Bottom Side	5mm	1.01	1.680	0.122	1.654	1.674	1.355	1.099	0.956	0.845	0.771	0.714	0.707	0.671	0.644	0.604	0.576	0.588	0.574	0.533	0.514	0.503	0.464	0.438	
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
										1.597	1.639	1.404	1.145	0.992	0.875	0.801	0.744	0.737	0.701	0.674	0.634	0.606	0.618	0.604	0.563	0.544	0.533	0.472	0.497	0.403	
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
										0.807	0.741	0.702	0.672	0.644	0.626	0.624	0.611	0.579	0.582	0.527	0.532	0.425	1.077	0.821	0.733	0.692	0.655	0.633	0.628	0.618	
										63	55	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	
										0.633	0.622	0.593	0.584	0.517	1.673	1.227	0.231	0.142	0.471	0.421	0.466	0.465	0.443	1.671	1.402	1.112	0.949	0.854	0.781	0.725	
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	
										0.687	0.682	0.656	0.595	0.597	0.555	0.531	0.504	0.487	1.674	1.432	1.211	0.983	0.860	0.792	0.735	0.701	0.705	0.681	0.646	0.599	
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	
										0.533	0.503	0.574	0.556	0.550	0.547	0.547	0.709	0.676	0.649	0.633	0.621	0.613	0.602	0.595	0.594	0.590	0.584	0.576	0.574	0.560	
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143				
										0.614	0.578	0.575	0.669	0.639	0.621	0.608	0.629	0.622	0.594	0.583	0.589	0.583	0.575	0.573	0.564	0.547	0.541				
Hotspot on	Ant 1																														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacin g	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																					
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LTE Band 7	20M/QPSK	21350	2560	1	0	Bottom Side	5mm	0.888	1.550	1.432	0.740	1.108	1.361	1.486	1.538	1.547	1.530	1.546	1.549	1.534	1.521	1.503	1.488	1.481	1.472	1.433	1.422	1.411	1.436	1.461
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.717	1.090	1.430	1.390	1.310	1.360	1.420	1.510	1.460	1.520	1.460	1.540	1.460	1.450	1.430	1.380	1.420	1.480	1.445	1.370	0.941
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.153	1.275	1.331	1.367	1.373	1.376	1.375	1.382	1.365	1.375	1.350	1.389	1.010	1.230	1.301	1.325	1.342	1.362	1.352	1.350	1.348
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										1.341	1.353	1.363	1.352	1.338	0.851	1.189	1.328	1.313	1.312	1.299	1.298	1.287	1.305	0.671	0.992	1.217	1.342	1.378	1.398	1.410
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.390	1.378	1.352	1.330	1.361	1.342	1.330	1.287	1.333	0.657	0.973	1.187	1.328	1.355	1.361	1.389	1.363	1.357	1.322	1.310	1.343
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.322	1.305	1.430	1.380	1.360	1.355	1.371	0.633	0.931	1.151	1.271	1.325	1.335	1.355	1.361	1.343	1.362	1.368	1.377	1.376	1.344
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143													
1.435	1.368	1.382	0.615	0.893	1.083	1.192	1.305	1.318	1.323	1.333	1.352	1.351	1.363	1.348	1.372	1.355	1.338													